| ANEX 1 - Old-Based BD Database for Securition Call-R0-old-Based BD Database for Securition | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|------------------|--|---|------------------------|---------------------------------|--|-----------------------------------|---------------------------|-------------------------------|-----------------------|-----------------------|------------------------|--|---|---|--|-----------------|-------------------------------------|--|--------------------------------------|---|--|--|---|--|
| _ | | | ategories of inf Robytal Dyanim | Phanalype | Mat | in Turndian | Process cand lines | Sale/Eal | ine Function 1 | Present | Sub/Extra f | umilian 2 | Presents | Encloyed strategy | Biogial medanism | Diari des | iption of mechanism | Paces Birthala | Numero Bibliota | Object's Property | Present conditions | Process candilans | Environmental Conditions | Detracted Design Principle | Process Diagrams/Pics | Edwaren |
| N 1 | adaadaan N | English | Bological Departure | Phenotype Outnoregulation | Main Aritism | Chipst - What is Reparated | Content of main action (Medium) | Bob/Bales Antion 1 Regulate | Object of Addres 1 | Content of Addem | Sub/Estra Action 2 | Object of Addres 2 | Content of Action 2 | Enligitud silvelegy Disnaconformers are organisms | Biological mechanism Osmoconformity is carried out by either addive ar | Dant description of mechanism Active/PAccive Transport | Expandion principle Membrane diffusion (dyalisis) | Julian/ Persian | Laste | Info about separated (size/sizestig.f) Kink of NaCi at | Rewdelah Re <1 | Energy/Univing Name ATP (metabolic | Endoarentia Conditions Sebuster, fre Doctor | Belowied Design Principle Principles related to | Process Diagrams/Pas | Relevenans Booliny, 1.2.2020, 'Avinal Consergulation'. |
| 2 | N | edariata | Cell | oystem Cellular membrane | Filter | sons/malecules | Water(Plauma | Suchange | ions, finalecules | жазноўчаста | Torriport | ions/mole cules | Water/Hasna | Pactive Transport changes to allow exchange of ions across the | prove many, other main were used on the original to their ensurements from those the distribution Uniporter (passive transport-facilitated diffusion). A uniporter is an integral membrane diffusion in the distribution of the distrebutication of the distribution o | Membrane Passive Trasport | Membrane diffusion (dyalisis) | PA | Azonic | various loss. | R# < 1 | energy) footients of concentration | Bidigical tissues | Fitzation/Facilitated diffusion via gradients of | http://like.goog e.com/site/conne | Admit Control (Landson, Landson, 2- Mar. Biodiny, 1.). 2020. "Animal Domanogulation". Animal Domanogulation, Landson, 2- 284. |
| x | N | eviariata | Gell | Cellular membrane | Filter | sons/malecules | мази/Ріасла | Exchange | ions,fmalecules | важ(Распа | Tainsport | ions/mole cules | Water/Masma | Failure membrane. The four main Pointary Active Transport cristages to allow exchange of ions across call membrane. | Printary score transport, also called direct active transport, directly uses metabolic energy to transport enforced a scorer a membrane. The | Membrane Active Transport | Membrane diffusion (dyalisis) | MC . | Asonic | various ices. | Ra < 1 | ATP (metabolic energy) | Biological tissues | Understand or bidirectional (exchange of loss is seconds direction) | e com/ske/conse | Booliny, 1.2. 2020. "Animal Domarngulation". Animal Domorngulation, January, 2–264. Million Televan Million and Analysis and Animatica |
| 4 | N N | edariata | Cell Euryhaline arganisms | Cellular membrane Oxnorweaktion | Filter Segarate | sons/malecules | мазе(Фіасла | Exchange | ions,fmalecules | вазк(Ракла | Torrport | ions/mole cules | Water/Hasna | Secondary Active Transport Crategies to allow exchange of Contregulation by Sodium Potoscium pump. Eurytaine | In secondary active transport, also known as coupled transport or co-transport , energy is used to basesoor belowing to the secondary the basic mechanism for loss eachange is the Sodium-Potasium pamp. The process of moving | Membrane Active Transport Membrane Active Transport | Menbrane diffusion (dyalisis) Menbrane diffusion (dyalisis) | MC . | Abomic | variaus ions. variaus ions. | R# < 1 | Electrochemical potential gradient ATP Invetabolic | Bidogical tissues Seawater/Fresh water variable flow speed, | Unidirectional or bidirectional (exchange of inor is neocite direction) Filtration/diffucion against | e com/site/conne | Booling, T.J. 2020, "Animal Domangulation", Animal Domangulation, January, 2–284. Marc. Film and 50: 2015/animal new WWO0001 Booling, T.J. 2020, "Animal Domangulation", |
| 6 | N Y | aninal | organisms Fish | Oxnoregulation system | Segarate Filter | lons (malecules | Water Water | filter move | Liquids | | Exchange | gasses (m | | Patastium pump. Euryhaline The gift of fish it a gas exchanger capable of estracting discolved | Sodium-Potastium pump. The process of moving codium and networking our above the call dants are issues formed by chort threads, puttern thructures called filaments composed by parallel | Trasport Cross-flow filtration Diffusion | (dyalisis) Surface - Dead end Cross-flow fibration | n: n: | Asomic Asomic/ | various ions. various malecules (Oxigen, CO2, Na, C), | Re intermediate | ATP (metabolic energy) Dynamic pressure gradient | variable flow speed, seawater, freshwater variable flow speed, | gradients of concentration Structure formed by arrays of rock with inserted a pile | haline#/media/50 | Animal Overangulation, January, 2-584. March Table on 50: 2013 January and Michael Michael March Lobard, March Namaratin, January W/Natio, e.d. Yana Triangust in the Nah Gill |
| 2 | × | plant | Plants/trees | Lea(/Root - Aquaparies | Filter | Water | Sal/Water(Sir | | | | | Line and | | There are three router for water to flow in these tissues, known as the | for invaline. These fits more house many hylen weters in the not act as a network of tubes connected one to another, shough which water | Kotium berurium Membrane Passive Trasport | Membrane diffusion (aquagorine) | AC/98 | Azonic/Male cular | water molecules | R# < 1 | Water potential Salar Energy | various terrestrial habitat | distance with a certain Selective membranes which allow only passage of | com/ulde/69913 | Upsteiner, 12. Migo (Maleylayer can/Alde/UHEED)/ Water Uplate and Transport in Vacadar Barls Ro. Andrew 1 Melhoux - WH |
| 8 | N | atinal | Sharks | Gills | Filter | kons. | Water | move | Liquids | | | | | Sharks effectively exchange gasses passively thanks to nam gills funa and machinelis effectively | Gail filaments of one highly active and two test active shark species whibit a conservative Ram-ventilation is the enduction of expension | Membrane Active transport Membrane Active | Membrane diffusion | MC . | Adomic/Male cular | various ions. | Rå High (turbulert) | byranic pessure gradiest | Seawater | Structure formed by answi | a com/Now-did- | Berra, Genage W. 1984. 'On the Conservative Nature of the Gill Hammold of Darks'. Environment of Robust of Darks'. |
| 9 | N | animal | Fast Sish (tuna) | Gills | Filter Extract | kons Manatura | Water | Condense | mitta | * | - | Liquid | idve. | Tuna and mackenets effectively exchange gasses paccively thanks. Cache: Opunta efficiently collects water from the fog. This unique | (Refer to the linked picture) (Refer to the linked picture) | transport micrutextured spikes to coalesce water | Membrane diffusion | AC | cular Adomic/Mole | various ions. | Ri High (turbulent) | gradient Surface energy Laplace pressure | Seawater | Structure formed by arrays of rods with inserted a pile micro conical structures (of hidrophobic resterial) | archgate.net/Tgur | Wegner, Nahulas C., Okgry J., Brjukeda, Santi A. Anlieri, and Jeffrey B. Graham. 2011. Natural of Islands in the New Yorkholm. Jo, Jin, Hanikai, Yangmei Zheng, Tamji Zhao, Bancher Jiana, and Jeri Jane, 2022. "Mihdli- |
| 11 | ¥ | animal | Tasar Silkmath | Gaccoan | Expel | Gasses | NI | eguiase | heat | | | | | Cocoor of cilk moth allows carbon dioxide to diffuce out but not in and | The structure of the cocoon allows for gases that are harmful to pupal development, such as carbon | Selective exchange of gauses though | Membrane diffusion | РА | cular Azomic/Mole cular | 602 | Re intermediate | Gradients of concentration | Various terrestrial | and the strength of | | Nov. Lawlence, Sand Kamar Morena, Terjas Sanjerer Kasarkar, Sashi Kamar Singh, Novij |
| 12 | × | glast | Ovchids (epiphysic) | Roots | Тар | Water/Insisture | NI . | | | | | | | The roots of some archids efficiently absorb air maisture and | Many archid species are equipped with velamentous stats, in this soct type, a whitish, | Abcolition via capillarity | Absorption Coalescence of droplets | РА | Adomic/Male cular | water displets | | Capillarity Surface energy | Various terrestrial | Aggregate of cilindrical- elliptical elements or | http://cdn.biology discussion.com/w | Jacz, Than Swala Gela, Devis Gelle de Oberto, Gelhard Zela, Dar Wiekler, and Ana Nice Science Referentification. 2017. The |
| 28 | Y N | plant plant | Tillandsia Lanbekii Cotula fallax | Leaf | Extend Extend | Moidure Moidure | air | Condense | water | sir | | | | Leaver of rosette-forming plants like the Tillandsia capture fog by Posities a moreue form and high The hierarchical three dimensional layout of its leaves, along with its | Fog is conveyed to the plant through wind, and wind speed decretates as it gets closer to surfaces, boots as exercises of closer to surfaces, conventional log-harvestig mechanisms are effectively pseudo 2th surface phenomena in terms. | Waster interception via narrow structure and union boundors Condencation via Nano scale structure | Coalescence of droplets Coalescence of droplets | РА | Azomic/Mole cular Azomic/Mole | water droplets water droplets | | Surface energy Laplace precture Surface energy | Deset | High density of elongated structures - rads - disposed in Afflower direction 3d hierarchical structure to | archaste net/Taur | Marturel, Carlos, and Despart Eccurs. 2007. "The Narrow-Leaf Systeme: A Partitional and Ecclored Systems & Carlos & Carlos Andrews, K. G., E. A. Balles, W. C. E. Shubibili, and J. Y. Balles, 2007. "Reser- |
| 24 | N | plant plant | Cotula fallax Desert geophytes | Leaf | Extract | Moldure Water | ar ar | move | Liquids | | | | | layout of its leaves, along with its budsoubshirthy silour the short to Leaves of desert geophytes collect and retain water from for and dew | effectively pseudo 20 surface phenomena in terms, of works checken inter-sime-scheme in the cruss of Leaves and in same cases, alogary a circlinate, helical, tomace, or sepentine shape and/or their mostline was and along or circlente or | | Coalescence of droplets | PA PA | cular Azomic/Mole | water droplets | | Laglace pressure Gravity | Deast | Id hierarchical chuchare to collect and move droplets with one remove spinsling/helical chips which allows the air | archeste.net/Teur https://www.scie ncedirect.com/sci | Schuletti, and I.F. S. Badyal. 2022. "Three Forestored Views for View Loss for East Vager, Steller, and Use Muller-Collines. 2022. "Description of the Use and Fac. The |
| 56 | × | animal | Flying saucer trench beetle | Behaviour | fattact | Water | air | | | | | | | Leaves of detert graphytes collect and retain water from fig and dew two membricals of standard of Two thes created by the flying caucer trench beetle collect water | The twicket of these Lepidochura species are significantly oriented perpendicular to fog winds: A | Condentation and transport via helical, bothores or Condentation via physical barrier to for horder wind | Coalescence of droplets | РА | cular Azomic/Mole cular | water droplets | | Surface energy Gravity Surface energy | Deset | create barriers above ground to intercept fog- | https://asknature. org/stratege/bres | Seely, M. K., and W. I. Hamilton. 2016. 'Fog California' Land Trenches Cambracied by |
| 17 | N | animal | insects (also acquatic) | Respiratory system | Extract | konçigantes | air | move | Liquids | | | | | The requiratory system of flying insects consists of a series of rigid takes called trackets constant | the basic intert insplittury system condets of a teries of rigid tubes, called trachese (singular traches), consected to the contide via early of | Several | membrane diffusion | MC . | Asomic/Mole cular | ж. | Re intermediate | Metabolic | Various terrectrial/aquatic | | netps://docrate.o | htip://inimidia.com/BisTedi/Inieit_region8 an/Anti |
| 28 | Y N | animal glass | Elephant seal Systrichia | Respiratory system | inaci inaci | Molizure | air | Condense | Water (molicture) | Ar. | | | | The nacal turbinates of the northern elephant seal reduce water locs via constant user have excloses Synthichia caninervis Mitt. (Pottiaceae) is one of the maxt | The issue to back or important countries and functional components of this mechanism. This is a parties of house, shall like mechanism in the ease! The leaf possesses a unique multiscule structures of the hair which are equipped to collect and | Condensation of water vapour via condensation via functional roughness | Phase change | AC/98 | Azomic/Mole cular Azomic/Mole | Water vapour water vapour/water | Rá High (turbulert) | Surface energy muscular Precsure gradient Surface energy | Seawatestenstial | Spiraling/convoluted folded layer (with transversal Edition distribute (or hidrophobic material) | anteral one Recea | The Carlo Budan of Kasal Cautory unreal The Carlo Budan of Kasal Cautory unreal Head Tachange to Weber Estimate in the Fan, Dian, William G. Fill, Namming Diang, Net War, Ye Tao, and Del J. Trausoff. 2018. |
| 20 | N | atinal | caninervis Hyper-regulators | Cunoregulation | Separate | tons/malecules | water | now Siter | Liquids | | | | | churcher facer regres is the Osmareguistion means the | transact unter in four moder: surfaction of unter The basic mechanism for ions performs in the | functional roughness Membrane Active Transport | Coaleccence of dispers | AC | cular Azonic/Mole | droplets various ions. | Re intermediate | Surface energy ATP (metabolic energy) | Detect Seawater | carved with microgrooves Fitration/diffusion against gradients of concentration | e/Morphology of- millenhishered co | Nav We, Ye Tan, and Tabl T. Transell. 2028. "The United data: Milder Collection Informat Booling, Y.J. 2020. "Animal Domaregulation". Animal Domaregulation, January, 3–584. |
| 21 | N | animal | Hypo-regulators | Ouneregulation system | Segarate | kons/malecules | Water | Siter | | | | | | physiological processes that an opposite user to maintain wome Osmoregulation means the physiological processes that an opposite user to maintain wome | the basic mechanism for ions exchange is the fodum bottorium outro. The servers of moving | Membrane Active Transport | Membrane diffusion (dyalisis) | AC. | Asomic/Mole cular | various ions. | Re intermediate | ATP (metabolic energy) | Fresh water | Hostor/diffusion against gradients of concentration through comparements on | millanhishered co m/licalniloney/Re | May, Nuk et al. 2010 Annual et al. WWOMEN Bodby, T.J. 2020. "Annual Demanguation". Annual Opmanguation, January, 2–584. May, Nuk et al. 2015 January and WWOMEN. |
| 22 | N | aninal | Brine Shrimp (Artenia) | Concregulation system kidneys - resal filtration - | Segarate | ions. | Water | Siter . | | | | | | Surphaline in hypercaline environment, hyporegulator. The | rodium and romarrium iour arour the call the brine shrimp has a calicle covered integament with retard water loss, but extreme gradients do introdiferation provers als allopanels or | Membrane Active Transport | Menbrase diffusion (dyalisis) | ĸ | Atomic/Mole cular | high calinity (up to 25N) | | ATP (metabolic energy) | Seawater high calinity (up to http:/ | Fitsation/ diffusion against gradients of concentration | | Experies, Garaute M., and Jahn J., Brandmare. 2012. "The Brine Doing Artemia: Adapted in Control 10s Conditions". Invation: In Resolution |
| 28 | ¥ ¥ | animal animal | Vertebrates Terrestrial- | fitutios - | separate | loos/water | Bibod wateq'air | Sitar Exchange | - | water, fair | | | | In order to remove excess organic malecules from the blood several The gill tamellae of air-broathing | Litrafiltration process via giomenula or aglomenular filtration. In giomenulus hydroctatic Water-beathers require this lamelue with a large | Several Ultrafiltration/Osmo | Dunocis - Surface Membrane filtration Surface - Dead end | MC | Azomic/Mole cular Azomic/Mole | variaus ions/indiecules variaus | Re < 1 | Dyramic pressure gradient | Bidagical organism Water bodies | processes of fitration in Multifunctional fibration/gas exchange unit | wikimedia.org/wi | Mip.//www.rpi.edu/depi/shenreng/Balands Ensisten/ProgestaDD/incoddi/Aldreys.Nim Farrelly, Canaline J., and Prior Greenismity. |
| 26 | Y N | atinal plant | Amphibian Crab Salt tolerant plants Halophites | Gills Root/tixues | Filter | marganet. | water(lair Water(in soil) | Exchange Exclude | tors/gas saltions | water(lair Water (in sail) | | - | | crobs are modified to breath air Is order to take up water halophytes must adjust their tissue | surface area to obtain adequate oxygen, whilst in factuation of callst by the notes by whorkibration. Two process for water uptake can | is/countercurrent | Cross-flow - Dumosis Membrane diffusion | м: | cular Asomic/Mole cular | kanş/indiecules | Re intermediate | ATP (metabolic energy) | Waterbodies Soil with saline water content | fibration/gas exchange unit the lass to change water potential on one side of the | http://www.utd antu.com/biology | Annual Annual Control Control and Annual Annua |
| 26 | N | glast | Salt tolerant plants Halophites | Tissues | Eadude | Kes . | Water (in soil) | | | | | | | In order to take up water halophytes must adjust their tissue | Haliphites synthetice organic connectic compounds (Domolytes)) that can reduce the need for salt ions | Osmalytec to adjust osmotic patential | Menbrane diffusion (dyalisis) | × | Azomic, Maole cular | NHC | Ra < 1 | ecergy ATP (metabolic ecergy) | Soil with caline water content | Doeyldore ocroplyte (from natural material) to lower | ettar //www.min archeste.net/Taur | Madeiner Beste Freezenb 1999 Racht Islam, 2011. 'A Crisical Review on Halophyles Salt Talevani Planic', Journal of Madeiner Beste Freezenb 1999 |
| n | N | gatt | Salt tolerant plants Halophites | teal?šten - šait glandi | Concentrate | Kers. | Water (in soil) | licete | ions/water | Water (in sail) | | | | Halophitec use Salt glands and Salt hales A lagspoides, C. oveica, and S haloolar scores excess solt. This bifugeliste unicellular sign is | Compartmentalisation of excess salt loss into Stower, organs, MACL is confined into cell enrolae (Technonec) ha active transport Solt Production of intracellular alloced, andler and | Segregation, Exception, Public conce | Membrane diffusion (dyalisis) Membrane diffusion | ĸ | Azomic, Maole cular | | Re < 1 | ATP (metabolic energy) | Sol with saline water content | Collect and concentrate excess ions in concentration Produce ocmolytes to | retor //www.from Gervin.org/files/Ar | Rashi Jolam. 2011. 'A Ortical Review on Halophytes Salt Tolevant Plants', Journal of Machine West Research 1 (1971) Miss. Technellinger with care MacAdo/20, 22 |
| 28 | N N | plant Fungi | Dunaliella salina Mack Yeast | Tissues Osmoregulation | Exclude Exclude | kons. | Water (in soil) Water | | | | | | | This biffagelibre unicellular alga is responsible for most of the primary renduction in human ruline the klack Yeact uses of Ourspectrectants (compatible | Foduction of intracellular glyceol, poline and plycine betain to lower comotic potential and keep polinite sense. The shear corrections of old tochastic in otherantilar glyceol inclusions (in the sense that it make more negative compared to | Osmalytes to adjust osmotic gatestial Osmalytes to adjust | Menbrare diffusion (dyalisis) Menbrare diffusion | AC/PA | Atomic/Mole cular Atomic/Mole | Naci | Re < 1 Re < 1 | ATP (metabolic energy) ATP (metabolic | seawater | Produce complytec to regulate water potential in broas have complytec to | ecenhete com/m | Migo Joshedirany aday san July (2010-20 03) ya 21720 Canada cananana of Danishi a to Da Reed, R.H., Li Chulek, R.Fasian, and D.M. Gald. 1987. 'Danutis Significance of Operal |
| 29 20 | N | fungi animal | Black Yeast Desert Iguana | oysteen Respiratory system - Sait | Exclude Concentrate | kons. | Water Wateqfair | acete . | ionų/water | * | | - | | Disnoprotectants (compatible column) to auclinde inter The calt glands allow this organisms to maintain water and | Leose that it make more negative compared to hum would the consort concertal instants calls the call gland is an organ for expering excess calls, it is found in elasmobranchs (sharks, rays, | osmotic patential Segregation, excretion, | (dyalisis) Menbrane diffusion (dyalisis) | AC . | cular Asomic/Mole cular | various ions. NaCl and also Potaccium | Rø < 1 Rø < 1 | energy] ATP (metabolic energy] | air Deceit (California) | regulate water potential in Index homo constri- folded courcure which maximize curface/volume | entres confer de https://www.ehist orvintechnology | Gald, 1987. 'Ornetis Significance of Oppend Incompletion of Economicals Connector Handrid Connect (guarantic Oppendences Glandrid Deviet (guarantic Oppendences |
| 31 | N | animal | Galapagos marine Iguana | Respiratory system - Salt | Concentrate | 10115 | Wateqfair | Sucrete | ionų/water | sir | | | | The call glands allow this organisms to maintain water and | The call gland is an organ for exceeding excess calls. It is found in elasmobranchs (sharks, orys, | Segregation, excession, | Membrane diffusion (dyalisis) | ĸ | Azomic, Maole cular | NHC | Re < 1 | Chemical Reaction | Seawater coastal area | ration made of namiles folded characture which maximize curface/volume ration made of namiles | http://www.rabin orvintechnology | Receil, Like C. 2001. The Secretion by Like Glands of Decerl Ignamic (Dynamics Decerl Ignamics (Dynamics) |
| 22 | ¥ | animal | Pengium, Seaguitrand other convolution Manarove | Respiratory system - Salt should | Concentrate | kers | Waterfair | Excese | ionų/water | * | | | | for concentration haloson to The call glands allow this organisms to maintain water and ion concentration haloson to The growth and physiological | sofrikatel exhibite and none motion foreshold. The tab gland is an organ for exhibiting excess tails. It is found in elsemobranchs (sharks, org., sofrikated, asshipte not none motion Studie' Utsafiltzation. The non-security mangrow | Segregation, exception, Addresserve | Menbrane diffusion (dyalisis) Menbrane diffusion | ĸ | Asomic/Mole cular | NHC | Ra < 1 | Chemical Reaction Sodium-Potoscium | Seawater coastal area | taded structure which maximize surface/volume ratios made of sampled Halophytes by to adjust | http://www.nisrostka milde/des/des/http:// wiediwdas/http:// http://www.tata | Biodey, Y.J. 2010. "Anneal Osmangulation". Anneal Osmangulation, Lewary, 2–581. Marc Alactors 50. 2011/acard and Williams Kim, K. et al. Name action filtration of unline |
| 22 | Y Y | plant plant | Mangroue (Mhisophara) Mangroue (auicennia) | Roots Leaf - Salt glands | Exclude Concentrate | sons | Water Water | Riter | water | sail air | | | | The growth and physiological mechanisms of mangroves differ in respondent to the constants of Salt gland (vacualise) collect talt ions and orystallize excreting them | Litrafitzation. The non-secretor mangrow imputes cylindrics was used for comparative mater of technologies having formation in the neuro- the task games of Automatic afficients are microscopic (20–40 µm) structures found on the microscopic (20–40 µm) structures found on the | Litrafitration Segregation, excretion, | Menbrane diffusion (aquagorins) Menbrane diffusion (dyalisis) | PA | Atomic/Mole Cular Atomic/Mole | NaCl | Re < 1 Re < 1 | pump Caloritative Sodium Patisticium ourmo | Seawater/estuary Seawater/estuary | Haliophytes by to adjust salinity delicately between neuron and excited Collect lans into compartment allow them to | re com/articles/w | Em, E et al. Navel eater fileatan shafter water in the automoul layer of mangrour matic foi. Res 4: 2020 dat Partia, Aob Kamar, and Ehananath Ra. 2020. Tati Talmanath Mechanomi in |
| 25 | | gan | (aricennia) Saliconnia | Tioses | Diste | kons | Water | Store | ion(water | - | | | | out of lanuar in order to take up water halophytes must adjust their tissue | Montagen, parte per partenen internet to the and exemption from compartmentalization. Can socumulate up to 50% of dry weight in its shoots. | Advantation Multiple codum compartimentalizatio | (dyalisic) Menbrane diffusion (dyalisic) | ж. | cular Azomic/Mole cular | NHC | Re < 1 | Chemical Reaction | Seawater/estuary | contailine Store calt in compartment and use it also to attract | effel Aww.bolo ediscussion.com/ | Manazumi A Brumy, Tem 21(2) 109-217. Le, Jalan, Ping Jang, Xanyang Chen, Pengsang Pan, Xuche Klang, and Tirain Li |
| 36 | N | animal | Tubeworms | Rousing | Extract | kons | Water | Yorfore | ions | Water | | | | Biomineralization to create calcarrous structure. Among The pill lamellae, the cite of gas. | Biominecalization begins with precipitation, starting from different ions, and the driving force A number of filtration mechanisms have been | konneolutory Chenical | Phase change - Chemical transformation | ĸ | Asomic/Mole cular | vartous ions. | Re intermediate | Chemical Reaction | Seawater | Remove ions from solvent via process of | tersin org/articles | Birghi, Marika, and Yanjah Laller. 2020. "The Ballogy of Version evidence Toleratories". In Concentration and Marine Bolton: addression. |
| n | × | animal | Teleoctei, Cyprinidae Bromeliadae | Gills | Filter | Particles/loss | Water | exchange | g36646 | water | nov | Liquid | | The gill tamettae, the one of gat exchange, are bordered by a double The abcoptive bromettad leaf is covered with multicellular | A runder of hitstoor mechanisms have been proposed to explain hav pump suspension-feeding device schemes – also termed as "scales" – Consist of dead empty cells: a central disc, | Fibration by Interception - Inertia | Surface - Dead End Cross-flow filtration | AC/PA | Atomic/Mole cular /Micro | stariaus size particles, pm | Re intermediate | Dyramic pressure gradient | Seawater/Fresh water | micro one way superficial | dia.org/wiki/Fish | Haler, Badell, Willi Salemmann, and Prila Salemmer. 2005. 'Regulation of Diamod Piller Pandras In: 6 Month / Mithod Interface In Garlo, Stanslav X., ed. 2009. Functional |
| 28 | ¥ ¥ | plant animal | (opiphysic) Nirds | Leaf - Trichomes Respiratory | Exerce Filter | Water | ni Ni | move Move | Liquids air | | | | | covered with multicellular The respiratory system of birds efficiently transports oxygen via | consist of dead empty cells: a central disc, the 'duar' ventilation of the axian respiratory system has been allowed by its complex | Absorption Unidirectional air | Absorption Membrane diffusion | PA | cular/Micro Azomic/Mole | vapour/water | Ri High (tudulent) | Capillarity Muscular/Metabol | Forest environment | micro one-way superficial valve which lifts up when uncoupled Gas exchanges/vertilation | cinalplantsarchiv http://www.sout ube.com/watch?y | Sarlaux in Eulogy Davlen N. Springer Reflected Alice Harves IV Working L. Barlo, T. & Jobs, 107 Largest St. Splitters Erds, Development, Erschart, and Amelian. |
| 60 | × | animal | Gamel | eyclers Respiratory system - nasal | Extract | Moldure | NI | Condense | Water (Noisture) | Air . | exchange | heat | air | Nacal turbinates which extract and recover air molecure from breathing | Nacal subinates have a 3.0 consoluted spiraling structure which optimizes curface/values ration | Condensation/Vivapo ation | Phase change - candensation/evaporation | AC/98 | Kaomic/Mole cular/Micro | water vapour | Rá High (turbulent) | ic Dyranic peccure gradient | Decert environment with high T excursion | Spiraling/convoluted folded layer (with transversal | anticucholar oraila | Refer, New York: Springer-Verlag, Schwidt-Nielsen, K., K. C. Schwider, and A. Ublahols. 1982. "Deschwistion of Dalated Jar in Control: Springer of United Sciences of |
| 41 | N | atinal | Orb-wevear Spider | SIX web | Тар | particles | air | dicepate | kinetic energy | air | nanage | light | air | Drb-web spiders produces silk/non- silk nets to stop and trop insects. The basis is illustratory can perfor | Lifk is loosely defined as fibrous proteins that are extruded outside an organism's body and that are composed of associatements while only ensurement that have anyther two endowers a lower composi- | atol Seving - Interception - Inertial impaction | Surface Dead end filtration - Sieving | РА | Meso | insects of different sizes | Re intermediate | | various terrestrial habitat | eet-like structure composed of intertwined librar of facultie monitol Sector Pharton common | Mar Tanan and | Facador Recording of the East function of Electrology, Table A., Marjad Eastern, and Ingl Agencement 2011. "The News and Numbers of Ventor Proceedings." In Information of |
| 42 43 | Υ N | animal | Ramingo Moon Snail | feeding cydam - beak Reproduction | Filter | particles Particles | Water | sort. | particles | particles | nov | Liquid | channels | The beak in Hamingox can gether large-quantities of small food consolence for Thurlow in shubbar The Naticidae are a cosmopolitan gastropod family that lives from the | The beak architecture produces a lower pressure in the mouth while it is pathed through the water, heather asthetic water and kell. The recover the process carss with the female expand her foor to cover her entire shell. Cilia on the foot pick up | Sieving - straining assisted by vortexes. Trapping with mucus | Sieving - straining Transformation | MC . | Meso | particle size: 1-4 mm | Rá High (turbulert) | dyramic pressure gradient | Water bodies Seawater | these of healths monoid Seving structure composed of two overlapping movable elements: the Image with trap particles engolphing them is macus material | anticucholar oraila http://www.atta | Loke, Fold Mark, S. & Standard, Schward, K. & Standard, S. & St |
| 44 | N N | aninal | (Naticidae Sp) Dubbling Duck | system feeding system - | Filter | particles | waser Waser | move | Liquids | | | | | The filter mechanism of this couries is counterted in such a | to cover her entire chell. Cilia on the foot pick up amine of road and dispara them over her hole. Filter freeding in the Dobbling duck consists of a sequence of several mechanisms. A success | Saving - chaining assisted by | Sieving - Density | n: n: | meso/macro | nn 63-15 mn | Re sibernedate Ré High (tudulert) | Muscular/Metabol | Water bodies | them in mucus material moducing a new functional | http://www.sen anticycholar.ora/a | Subveslay, Iris Bahmidi, and Michael Holeson. 2008. The Batts Idea Michael Brent Danil, D. 2008. "Hiles Feeding Dakking Dashs (Janas Spp.) Can Juli vely Select Facilities |
| 45 | N | animal | Carp fish | Seeding cycless | Filter | particles | Water | Concentrate | particles | Water | | | | concentrate small food particles in the observation of calify able | coprime compare contented for the machanizer Cyprime capie fed or all food particles by using 'claw suction', which occurs in cyprinids swimming or low-sublects and compare models. | Cross-flow filtration, flow reversal | Surface - Dead end Cross-flow filtration | AC. | Micro | 5–3000 µm particles | Re intermediate | byranic pessure gradiest | Frish water | Cross-flow filtration with pulcating flow reversal filted of back washing! | | Aufling Faulus 19875 198-58 Callan, W.T. 2003. Trending Mechanisms in Carp. Groutine Hitseline, Publick Postrucians. 1997 Tem Report V. Scott of Temporated |
| 46 | N | animal | Human | Gange | Тгар | particles | N | | | | | | | The alveolar macrophage (dust cells) stands as the guardian of the sharehoubloot interface conting to Feathers growert water to pass | By secondar of degree metabolites, lycosyme, antimicrobial peptides and protestees, and through processes of observations of investigation billion Hierarchical micro structure of the feather which | Phagocytosis via vescide | Depth filtration | MC . | Micro | µm. | | Surface energy | Biological tissues | palcating flow revental block of back workload Surface which folds its structure trapping references and controls of Forchilly structured outfoce | https://www.rese archeate.net/Taur https://phys.org/e | Karen J, Kal D, Reve L Holaing, Alvedar Marnahager. (Updated 2029 by 19) in: Hollands Internet: Process Man (19) Man (News advances or Manley (19)2010 |
| 47 68 | Y N | animal | Birds Sponges | Feathers Feeding system- chosestyces | Eadude | Water | Nic/Water | Repel | Water | Air/Mater | | | | Heathers prevent water to pack through The freshwater sponges (Spongillidae) feed by filtering out | Heatchical recols structure of the heather which provides superhydrophobiotry Callar Geving: where a beating flagellum creates a feeding current through a collar filter. | Hydrophobicity Sleving - interception - direct impaction | Surface tension regulation Surface - Dead end filbration - Sieving | PA | Micro | water droplets 2 to 200 µm phytoplankton but | Reynolds numebr | byramic pressure gradiest | Water bodies Seawater | Vicitity clicities out ace whose surface energy enuide Circular deving structure through which water is | ews/2016-02- | 10778-NotCol732athaDath VQx0PxP4o Darat C. 3. Poster 3. Y. Berle and A. Wesserley, Nation. 200. The Mission |
| 63 | N | aninal | Harburgen Harburgen Sediment Infaunal spongec | choasestyces feeding system | Filter | particles | Water | move | Liquide | | | | | As an adaptation to the embedded in sediment, it possesses initialant | resting come in found in scores in the hour fine inhalast current is ingested through the dista- portions of ingestion sighters which much out of the soft bottom sponger that are specialised to | a binencional capillary fibering | filtration - Sieving Surface - Dead end filtration | ж. | Micro | propagalikan dari Securati dirotha 2 to 200 µm phytoplankton but | 0.3-50 Re intermediate | gradiest Dynamic pressure prodiest | Seawater | successful is and excelled by 3) spherical fittering device with multiple inlets and | anticucholar orails | Januari Parlinis Association Provident Januari Parlinis Association Wenting, Brind, and H. Sandres. 2005. "Life Halds and Fundamic Marphology of the |
| 50 | N | animal | Sporges | anchoring system | в Тар | garticles | Water | | | | | | | Soft action sponges generally use famige badies to anchor and to the gills of the cyster and other | live is unconsolidated sediments (ex. Oceanapia | technic Incorporation Phagocytacis trapping/separation assicted by circlelia | Trap and incorporate Depth filtration | nc. | Micro | pres | Re intermediate | byranic pressure gradiest | Seawater | publicle outliers to be set in | archgate.net/publ | Sederand Informati Social Contragata Centana, Carlo, Badana Calcinal, Cristina Socia Di Camillo, Laura Valsano, and Giorgia Rossinator e d' Valsa na Wile Performan |
| 51 | N | animal | Blue mussel Brycesanc, shortenids and | Gills | File/Tap | particles | Water | Nove | Liquids | | | | | bivalves perform several important | Cirit trapping in binalwer with gill spaces possessing laterathontal ciri that beat against the Ciliary sewing where particles are retained by a filter formed by a band of stiff cilia upstream of | trapping/veparation assisted by ciri/cilia Sieving assisted by cilia | Separation/Concentration via cilia Surface - Dead end | ĸ | Mara | above 4micron 100%, 50% below 2micron 2 to 200 µm phytoplankton but | Re intermediate | byranic pressure gradient | Seawater Seawater | arcidec. Interception of Crocs flow filtration system with citia for trapping | archgate.net/Tgur | Exin Ward, J. and Sandra E. Brumsky 2006. Topassing the Grain from the Datif. Particle Interior in Incomposition and Neural Analysis Ringlini, Hu, and PLLasses. 2005. "Wattale |
| 52 | N N | aninal | photonids and bivalve and gastropod veliger | feeding system | 929 | particles particles | Water Water | Move | Liquids | Water | | | | Fiber feeding by slewing assisted by cliari presence and novement. Fiber feeding by slewing assisted by cliari presence and novement. | filter formed by a band of stiff cilia upstream of Citary downstream collecting in a diverse group of suspension-feeding investebastes, where food | cilia Catch up system. Sorting by cilia space | Concentration via cilla Separation/Concentration | м м | Micro | phytoplankton but 2 to 200 µim phytoplankton but | ka intermediata ka intermediata | byranic pressure gradiest byranic pressure gradiest | Seawater Seawater | Interception of particles | archgate.net/publ http://www.msp archgate.net/publ | Capture Mechanisms in Suspension Feeding Institute start: Minima Evolution Research Ringdol, Hu, and Pislamon. 2000. "Particle Capture Mechanisms in Suspension Feeding |
| 54 | N | animal | Palychaetes | feeding system | Filter | particles | Water | gap | | | | | | Fiber feeding assistd by mucus net | Mucus net filter-feeding in some species of polychaete worms, gastropods, assidans, salps, | Sieving - Interception - Inertial impaction | via cilla Surface - Dead end - Sieving | AC. | Micro | 2 to 200 µm phytoplankton but | Re intermediate | gradieit Dyramic pressure gradieit | Seawater | Dead and Fibartion process composed of continuous | archeste.net/publ | Insuring of the second |
| 55 | N | atinal | Ascidians | feeding cystem | Filter | particles | Water | move | Liquids | | | | | Sea Squirts filter-feed by rhythrically purping water into an exit index shart he shows to being filter-fact to show the interview. | The filtering surface of the backet consists of three adjacent and connected screens (sheets). The filter and interchair the mismorth confoce in a raiser the feedbac where these is controloutly. | Sieving - Interception - Inertial impaction Concernment | Surface - Dead end - Sieving Court from | MC . | Mara | Particle size: down to 2 or 3 µm | Re intermediate | Dyramic pressure gradient | Seawater | bead and Fitration process composed of continuous production of continuous bead and Elevelon process | http://www.tese archeste.net/publi | Ringlini, Hu, and Pislamen. 2000. "Particle Capiture Mechanisms in Suspension Feeding Interfactors." Minima Evolution Research |
| 56 57 | Y N | animal | Salp Doliolidik | Feeding system Feeding system | Filter | particles particles | Water Water | 53p | | | | | | Salps filter-feed by mythinically pumping water with food particles incide the showward chamber Filter feeding assistd by mucus net | In salps, the feeding water flow is produced by mythinic contractions of muscle bonds around matching that many muscle around allows the Muscu certifizer-feeding is come species of polychaete worms, gestropoot, ascidans, salps, | Interception - Inertia Impaction Interception - Inertia | Surface - Dead end Hydrosai Surface - Dead end | ж м | Micro | particle cite: 0.05µm 3 µm | Re intermediate | Dyramic pressure gradient Dyramic pressure gradient | Seawater Seawater | Dead and Filtration process composed of continuous anduction of nettransity Dead and Filtration process | archeste.net/publ | Ringlind, Hu, and PuLansen, 2000. "Particle Capiture Mitchanisms in Surgensian Feeding Institutional Martine Politics Research Ringlind, Hu, and PuLansen, 2000. "Particle |
| 58 | | aninal | Cephalochordate | Seeding system | Filter | particles | Water Water | + 936 | | | | | | Filter feeding assisted by mucus net | polychaete worne, gastropode, ascidiane, raipe, bounder-briefer bed incoderer when clines or Mccus ever filme feeding is come species of polychaete worne, gastropode, ascidiane, raipe, | interception - Inertia Interception - Inertia | Hydrosal Surface - Dead end Hydrosal | - ~ | Micro | pres. | ka litermediata | gradiest byramic pressure gradiest | Seawater | composed of double net reliable housed filter which Dead and filtration. Row from within to without a | http://www.mie archeste.net/publ | Capture Mechanisms in Surgensian Feeding Insuration of Marine Kolme, Minness Ringlini, Hu, and Pislansen. 2008. "Particle Capture Mechanisms in Surgensian Feeding |
| 59 | N | animal | Gamodops | Seeding system | Filter | particles | Water | 9340 | | | | | | Fiber feeding assistd by mucus net | Mucus net filter-feeding in some species of polychaete worms, garstropods, ascidans, salps, association de la polychaete worms, garstropods, ascidans, salps, | interception - inertia impaction impaction | Surface - Dead end Hydrosal | ĸ | Micro | µms. | Re intermediate | Dyramic pressure gradient | Seawater | Dead and filtration with double membranes. One | http://www.nese archeste.net/publ | Ringdol, Hu, and Pulanen. 2010. "Particle Capiture Mechanisms in Surgersitar Feeding Installational Mission Environment |
| 60 | N | atinal | Pteropods and Echiurans | Seeding system | 939 | particles | Water | Move | Liquids | | | | | Fiber feeding assisted by mucus net Fiber feeding assisted by setera | Mucus certifizer feeding in some species of polychaete worms, garrupods, ascidans, saips, somediculustate and increasing when clinic re- feral filter feeding. | Interception - Inertia Impaction - gravity Intercer filter net Assembled Serving - | Surface - Dead end Hydrocal Surface - Dead end - | ĸ | Micro | μms. 2 to 200 μm phytoplaniton but | Re intermediate | byramic pressure gradient | Seawater | net made with colloidal material to top particles Suction-and Pressure | archeste net/publi http://www.nete | Riggini, Hu, and Pulanen. 2010. "Particle Capture Mechanism in Suspension feeding Institutestics". Marine European Riggini, Hu, and Pulanen. 2010. "Particle |
| 61 62 | N N | animal | crustaceans - branchiopods Barnacles | Feeding system | Filter Filter | particles particles | Water Water | Concentrate | particles particles | Water Water | Move | Liquid Liquid | | Fiber feeding assisted by setea fiber Fiber feeding assisted by setea fiber | Setal filter-feeding. How is generated by the socialied 'suction-and- terrorise checked' mechanism is which the Setal filter-feeding Rhythmic extension and withdrawai of the ciri, | Assembled Serving - Interception - Inertia Interception - Inertia Interception - Inertia Interception - Inertia | Surface - Dead end - Sieving stable cours firm Surface - Dead end | NC NC/PR | Micro Micro | phytoplankton but hexacentic size the | Re intermediate 1 | byramic pressure gradiest byramic pressure gradiest | Seawater Seawater | Suction and Pressure filtration cleans structures mounts reason runtice and Active capture of particles from slow making flow, or | archeste net/publ | Capture Mechanisms in Suspension Feeding Insection States - Marine European Ringdon, Hu, and PLLANAN, 2010. "Particle Capture Mechanisms in Suspension Feeding |
| 6 | | aninal | | Fooding system | Filter | particles | Water | Concentrate | particles | Water | Move | Liquid | | Fiber feeding assisted by setea fiber | Setal filter feeding; the long legs with setae, and the cavity these | Accembled Seving - Interception - Inertia | Surface - Dead end - Sieving | MC. | Micro | µm. | Re intermediate | gradiest Dyramic pressure gradiest | Seawater | Suction and precours Suction and precours Sibration. Sieves open and | ette //www.mis archeste.net/publ | Insectidenter', Marine England Property Ringdon, Hu, and Process, 2000. "Particle Capture Mitchaniums in Suspension Feeding |
| 64 | N | animal | Anphipads | feeding cydem | Filter | particles | Water | Concertatore | particles | Water | Move | Liquid | | Fiber feeding assisted by setaa fiber | Setal filter feeding: The amphipolic Dyopedox monacambus and D. | Interception - Inertia Impaction | Surface - Dead end | ĸ | Micro | µms. | fø intermediatø | byramic pressure gradient | Seawater | Active capture of particles from slow moving flow, or | archgate.net/publ | Ragâni, Hu, and Pilanen. 2010. "Pariste Ragâni, Hu, and Pilanen. 2010. "Pariste Capture Mechanisms in Suspension Reeding Institute Mechanisms in Suspension Reeding |
| 65 | N N | animal animal | Decapods plankturic larvar | Feeding system | Filter | particles particles | Water Water | Concentrate Concentrate | particles particles | Water Water | Move | Liquid Liquid | | Fiber feeding assisted by setea fiber Non-fibering ciliary-feeding mechanism in the planistanic lanae | Setal filter-feeding; A unique adaptation to filter feeding is found in In all the lances the citia of the citiated band produce a water current away from the circumoral | interception - inertia impaction concertrating via | Surface - Dead end | AC/PA | Micro Micro | µms 2 to 200 µm phytoplankton but | Re Intermediate Re Intermediate | byramic pressure gradiest byramic pressure | Seawater Seawater | Active capture of particles from slow moving flow, or Active capture of particles by generating currents | archgate.net/publ | Ringdol, Hu, and Palanten. 2020. "Particle Capiture Mechanisms in Suspension Tending Socialization of Kalanta Foliates Research Malanteen, Rahard R. 1971. "The Presing Behavior of Paralitotrophic Schwadrem |
| 66 67 | | animal | of echinoderms polychaete (also farworm and | feeding system | Trap Filter | particles particles | Water Water | Concentrate | particles | Water | Move | Liquid | | nechanism in the planktonic lanse | produce a water current away from the circumoral it was found that the textacles of intact and undisturbed 5 alwolata have a large number of | cilia Interception - Inertia Impaction | Trapping Surface - Dead end | AC PA | Micro | phytoplankton but 2 to 200 µm phytoplankton but | ka latermediata ka latermediata | gradiest Dyramic pressure prodest | Seawater Seawater | by generating currents Pactive capture of particles via cieve with adhesive | re.com/articles/n | Erbanter of Plankladrophic Echinadrom Lange Machanism Randoline and Balan of Machanism, Farmatism of the Toke, and Herchenism, Farmatism of the Toke, and Herchenism (Translation to Hardin Forcesson) |
| 68 | N | aninal | Azlantic menhaden | Feeding system | Filter | particles | Water | L | | | | | | Atlantic merihaden feed on a wide ranee of plankton. The physical | Pacallel arrays of methoden gill cakers result in the formation of a sieve by the interdicitations of | Accerbled cieving maybe crocs flow | Surface - Dead end filtration - Sieving - | × | Micro | µm. | Re sternedate | byranic pressure gradient | Seawater | - | https://brileelibra cy.wiley.com/doi/ | Physiology of Digestion in Laberta Panaerina'. Hierdland, Keute D., Dean W. Alvenduda, Jaarph W. Smith, Maureen Manning, and Julia Rose. 2000. "Danies from Lines Heavier, and Julia |
| 69 | N | animal | Parcellic Scaleer (kopod) and Solvascome | Seeding system | Filter | particles | Food (mix of water; matter) | L | <u> </u> | <u> </u> | _ | | - | Ingeneral tool can be filtered taken: first on the primary filter and then index seconds filter and then index seconds filter index seconds filter index seconds filter and the in order to thisy clean in were and index seconds filt seconds index seconds filter and index | The engage parties of the plotting titles is understained by gapsaver which finally conduct the intervention of the state states of the states that is multiple or with entrangeliar reset with their multiple of the states of the states of the states the states of the states of the states of the states displets and containing of the state of the states displets and the states of the states of the states displets and the states of the states of the states displets and the states one states. | Sieving with procee | Surface - Dead end filtration | ĸ | | s-à pres | Re Intermediate | byramic pressure gradient | Sol | Double fiber with granves Permeable membrane of | http://www.uni | Narch, Valley, e.d. "Microsopic Anatomy and Ubrachankare of the Samach of Panaell's Social Processing Strendy" 11 Martine 1 Access 1973, Tool Statisticances |
| 20 | N Y | animal plant | Caddis fly | housing net | Filter Repel | particles Water/particles | Water | Adapt to Reduce adhesion | flow variations water and | water with sediments | | | | nutrients in water. The mesh itself rate and mesh disk for an and in order to itsey clean in wet and | neuropoint was recording to the With pore dimensions varying from 5 µm to 500 µm which there the resolution water toolship much con- wrater displets and contaminants doesn't adhese | Interception - Inertia Impaction Hydrophobicity/Velf- | Surface - Dead end filtration Surface tension regulation | PA | Micro | yms Water | Re intermediate | Dyramic pressure gradient Surface energy Gravity | Water streams | Permeable membrane of finalize material which execute the airs of an isotropically distributed micropically distributed micropical particles and the second second participation of the second participation participation of the second participation participation of the second participation of the second participation of the second participation participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the second participation of the | anticucholar orally International Anti- | Walline, J. Brute. 2023. Youd Parkitaning in Net Spinning Trichapteria Lanzan. Hydropische Teach, Gersten, and Withelm Barthali. 2028. Tapefrybioghidai and Lapefrybioghila Parti |
| 71 | ¥ ¥ | plant animal | Lotus Namibian Deset beetle (and other | Seaf Body surface (integument) | Ropel Extract | water | | adhesion | particles moisture | - | nov | Liquid | surface | | | Hydrophobicity/Welf- cleaning Hydrophobicity/Hydr ophillicity | Surface tension regulation Phase change - Surface tension regulation | PA | | droplets/particles of different size Water droplets around 1–40 µm | Re intermediate | | Waterbodies Deseit Air maisture at surrot | micro/rano texture on curface made of it-reterr Surface made of hydrophobic material | ecceste net/Taur http://www.sem anticichelar.org/3 | Tope-bydrophilis and Spe-bydrophilis Farst Technic In Section for Biotecture Malls, FT, R.M.Clevneni, D.T.Gelbin, W. Kozeszik, and A.R. Parker. 2014. 'Kisture's |
| 28 | ¥. | animal | haarla) Tick | mouth | Extract | Moidure | NI . | Condense | noitue | | care | Liquid | | had worklin in unadauthoritopher The mouths of take abcorb water supportions the atmosphere by constants a hadrophilin solution | calculations way of burget dus-1 a low space access by departicle costs in the spectra access in particular the hypertension interfaces candid gray a department of the hypertension interfaces access and the burget comparison of the science of the surface comparison of the science of the extra comparison of the science of the burget of the science of the science of the burget of the science of the science of the science control access of the science of the sc | Hydrophillicity/Hygro | Place change/Watesration | AC/98 | Micro | discussor air humidity near to caturation (76-90%) By between 67% | | Gravity Osmetic | Air Indicture at surset | hyprocopic substance capable of gathering | http://stkrature. ore/strates/wate | Gamle, K, and M Knille. 1997. 'ON THE |
| 24 | ¥. | animal | Thoray devil | Body surface (integument) | É4934C | Water | Sal/Kr | Move | Liquids | air | | | | The mouths of table aboots water separations the atmosphere by accention is historicability and who Several Based species that the in- data areas taken the Thomp Dwill have developed transitive biblistic so- talism most cropping biblistics (Actinoptorygil), pipelishes Reinspecies of Visant Inconten- Relationation of Visant Inconten- Relationation of Visant Inconten- | the honeycomb-like structures of the skin neder the surface superhydrophils; most likely by holden a worse file share shis table, table all versitation is performed region. No Ha | Surface tencion regulation | Surface tension regulation capillarity | РА | Micro | water vapour/water | | Preciue gradient | Decet | looks like covered in coles and or presents | -ttp://www.tese archeste.net/Tau/ http://www.terv | Conserve, Milling, Christian Ellivis, Rissian Hachen, Earcad Liaudi, Welgang Editori, Visitane, Garcial Liaudi, Welgang Editori, Visitane, Barcal Liaudi, Welgang Editori, Visitane, Visitane, Visitane |
| 25 26 | N N | animal | Pipe Fish Olikopleura | Gills Feeding cystem | Filter Filter | ions particles | Water Water | concentrate | particles | witer | Move | Liquid | | Attinoptinggi L pipetistes (Attinoptinggi L pipetistes Dispetistica i faut to roman Olioptical Appendicularia feed within a complex system of microsolita system of | opercular raction pump. The buccil pressure pump share only a minor role, size due to the automate the house of most species contains course incurrent fibers which environment | Active Transport via coss flow Interception - Inertia impaction cilia assisted | Menbrare diffusion | n: | Micro micro | | Ri High (turbulent) Re < 1 | byranic pessure gradiest byranic pessure gradiest | Seawater Seawater | Pear shaped membrane layers Selective filter system with pre-screening of larger numinian followed by | entirecholar oralla http://www.micr | Pren, III., Janua Andreadon, John. Arastada Organization of the Gills in Pipeloh (Televider, Terenstheler), Teornoschedere 201 Mil. Marris, C. C., and D. Delleri, 1985. Your Kate and Partiale Concertation within the Your |
| 26 | N Y | aninal | appendicularia Noridula plant (carnivour plant) | Rody surface | Тар | particles Particles | ne . | | | ment | | | | Sticky citie to the interfe | It secretes a very sticky recinous substance, mainly containing and showing and toberganide | ingaction citica assistant sticky citica | Situation hydrosol trapping | РА | mice Mesa | 100-1000 mm | | gradient Gravity | Seawater Various terrestrial | pre-coreening of larger manipler followed to Use of adhesive material to withold and trap particles | http://www.addn ature.org/stratege | and Particle Concentration within the House of the Pelapic Turnizie Objectures Milp (/www.adealuce.org/4categy/Dischetu a/201v09078ad0362x40064718 VP2004110 |
| 28 | ¥. | animal | (carrevour praid) Sea cacumber | feeding system | Тар | particles | Water | athere | | | | | | External dendritic tentacles gather small particles suspended in the | tertacles are waved action. This involve that heritacles are waved actions water and paintides adhere to a coating of mucus on the tentacles, | impaction accisted by votexes | hydrosol trapping | n: | Micro | µms. | Re intermediate | Dyramic pressure gradient | Seawater | paraceli | itis //www.dobs sture.org/strategy | a Schultz Statistic Sector and Analogy (427) as http://www.askastum.org/Analogy (427) as Read24-10711364446807338.VP24Pebba |
| 29 | ¥ | bacteria | Cyanobacteria | housing | Тар | particles | Water | adhere | <u> </u> | <u> </u> | _ | | - | Cyanobacteria growitarge layered clumps of rock and algae, called Lichens capture water via ice | Use of mucus to top particles and create layers | hydrosol trapping | hydrosol trapping Phase change | AC/PA | Micro | µms. | Re Intermediate | Chemical Reaction | Seawater | Substance favorising | ature org/strategy | http://www.askrature.org/stategylishie772 1850/he131744/he280883/V794/h*he Kell: Thanasi, 1888, Yo Norbeston hr |
| 80 81 | N Y | plant atimal | Lichens Lugworm arenicola | Leaf Reeding system | intact | Water particles | Air Water/Sel | Condense | Water Liquids | Ar. | | | | Lichers capture water via ice eucleation, absorbing the molitary Generally, the lagworn is regarded as a non-celective deposit feeder | to nucleation activity at temperatures warmer than -SYC may enhance the uptake of asmospheric The pumping activity of the lugworm leads to a tail- to-head directed ventilizary water flow through | Caalescence (of ice) sand filtration (7) | Phase change Coalescence of ice Depth filtration (7) | PA | Micro | Water vapour 2 to 200 µm phytoplaniston but | | Surface energy Dynamic pressure | Various terrestrial | Substance favoriding nucleation of ice above -5 | archgate.net/publ | Kell, Tsanasi, 1988. 'An Nacional Science in Libers', Applied and Environmental Microbiology Meth. 1970. 1971 Ringdol, Hu, 1 Benthen, and B Tany. 2010. "Data income Transition Marinal |
| 81 82 | Y N | aninal | areekola Deset Cockroach | feeding cyclem body/mouth | Filter Extract | particles moisture | air is a subscription of the subscription of t | moue Condense | Liquids maisture | | | | | The decert cackstach supplements | in relative humidities (Re) above a threshold value | Microbial 'gardening Absorption of water | phase change | NC NC/PR | mice | phytoplankton but Water vapour | | gradient Concentration | Seawater Decent | Use hypersonictic fluid to accelerate molicture | ncedrect.com/sci | The Laguerre (Invested Marina) Reservices the second secon |
| 83 | Y | animal | Shark | Skin | Ropel | tacteria/organic esc | Water | Reduce drag | surbce | water | Repel | ol | wätter | Shark ckin is covered by very small individual tooth-like scales called | The domai donticles of charles are aligned along the body axis and have a diamond-like shape. they | anti-bacterial, hydrodynamic | Adhesion and Surface tension regulation via | РА | Micro | meticiae Anan III. | Ri High (turbulent) | gradient Dynamic precoure gradient | Seawater | micro-textured curface represented by diamond- | enceranticle/abs/ archgate.net/Tgur e/Shark-skin- | Jung, Yang Chan, and Bharat Bhashan 2020. "Remineria Tinushares for Faid Drag Relations in Lanton and Tabledin Dray" |
| 84 | N | animal | Echinoderms | Madreporite | filter | particles | water | moue | Liquids | | _ | | | The madeports is one of the most enignatic organs of the | Observations of isolated pore-canal tissue indicated that the changes in pore size are not accommoded by changes in unknow of the cells | variable pares, bidirectional | | × | Micro | particles µn | fø intermediatø | | Seawate (Ndal | variable poro cize where water move in one | nochlishing corid ciladi/10.0098/m | MILLIO TAMON, JAINA MILITANO and GI IOI TABANISH, 1996, Tanatawa and Anatawa Athening Facebook (Marka Marka Ray Tamaka Radad Pacebook (Marka Marka |
| 85 86 | N N | animal animal | Vorticella Filefich | feeding system | filter repel | particles | water water | move | Liquids | | | | | The Vorticella has two bands of cilia around the peristome, the eventh like new solicit way used for Oil dops don't adhee on its skin thanks to a specific morphological solutions of the social solicit confect | The cities of the inner band generates water flow to dow food particles taward the zooid, and these subcities are fittened to the cities of the control of facts catles (well-5 mm) of the fitth tawe a particular micro-scale structure outposed by model distribution of colleges relies? | Interception - Inertia Impaction Services the services Oleophobicity by | Active trapping assisted by votex Surface tension regulation via micro-morphology | AC | nice nice | particles µm al in water | ka intermediata ka intermediata | ATP and Ca pump dynamic precoure gradient | Seawater Seawater | by ciliary apparatus to mix fluids and separate microstructure with aleophobic properties in | exchante net/publication/31195910 | Ryc, Sangje, Rachel Pepper, Marka Nagai, and Davide Prance. 2028. "Unitable A Distance for Bio neurod Texturement" Cel, Y., Lin, L., Nee, Z., Lie, M., Wang, S., & Jang, I. (2023). Fields'r inspired Sarface |
| 86 87 | N | aninal | Fèrfish Teleostean Sch | skin opidermal cells o gilts | repei Filoste | Kers | water Water | tap | meaus | surface | provide mechanical | - | surface | ments to a specific morphological method of its scalar which mode it The impediment of the entrance of toxic ions in the blood stream and | particular micro-cole structure composed by radial distribution of colleans colean two if the mechanism is not completely understood is prover that fishes which live in | Oleophobicity by functional roughness Cross-flow filtration Diffusion | via micro-moghelogy Membrane diffusion | лс | inicia Azonic/Mole | ions | Re intermediate | pident Suffice energy | Seawater Seawater, fredwater | weightable properties in | 20.1003/sdfm.20 https://stato.mpp ubs.onlinelbrary. | Defrequele, Joseph R. 2018. Microsofgerum Coprime Carpin Scale Epiderenic', Julia |
| 88 | | animal | Spiny Dogfish (Squalus scorthise) | Skin | Repel | Chil, organic liquids / ckin | Water | | | | reaction | | | Dil and organic liquids don't adhere or its skin thanks to its particular schere which mails | interface is provided and comes when the in structure to the solution of the solution of the Shark scales (dermal derdicies) show sharts with longitudinal geoses aligned parallel to the flow disarction of water | Columbration Oleophabicity by functional roughness | Surface tension regulation | РА | nice | all in water | Ri High (turbulent) | byramic precsure gradient | Seawater | micro/vano textured surface with ridges and/or pillare according to | https://toyalsocie | Contract of the start of partners, solar Testimore MCTL 118-04 E. Bushan "Elementatics: Exempted Neurobial structured software for press solares and |
| | | | and a second sec | | | | | | | | | | | Company of A Company of | | | | | | | | COMPANY OF A DESCRIPTION | | the second states | tore and the to be | _ |

| 22 | | date | to contana | Presis | Repel / | water | Nr. | | | | | | | Small water droplets (Volume < 10µl) adhere on its petals thanks to | The superficial morphology can be described as a bieranchical structure at micro and nano scale | Hydrophobocity by | Surface tension regulation | 20 | nice | Water droolets | | Surface energy | Various terrestrial Altitude 1000 - 2000 | micro/nano textured surface with ridges and/or | https://www.rese | L. Freig, Y. Zhang, J. H, Y. Zhu, N. Wang, F. Xia and L. Jana, "Petid Effect: A |
|-----|-----|----------|-------------------------------|----------------|--------------|-------------------|--------------|--|------------------------|---------------|------------|----------------|----------------|--|--|--|--|----------|---------------|---|---------------------|-------------------------------|---|--|---|--|
| | | | | | neek | | - | | | | | | | | commentation and many an engine and | functional roughness | via micro-morphology | | | | | Gravity | | all and a second second | and state in state of | Los betratives |
| 92 | ¥. | date | Viela tricelor | Presis | Repel | water | N | | | | | | | Water droplets and contaminants doesn't adhere on its petals thanks | Petal's surface show a specific morphology characterized by core cells with a hierarchical | Hydrophobocity by | Surface tension regulation | 20 | nice | Water droplets | | Surface energy | Various terrestrial Altitude = 0 - 2000 m. | micro/nano textured surface with ridges and/or | archante pat/Eaur | A.J. Schule, G.M. Drosle, K.Kash and W. Rathlell, "Herandology sinultaned |
| _ | | | | | | | | | | | | | | | and a provide a second state costs in the second | functional roughness | via micro-morphology | | | | | Gravity | Temperature | minut according to micro/nano testured | all others all | a search of the local sector of the local sect |
| 91 | ¥. | animal | A. binducara (cirada) | wines | Repel | water | N | | | | | | | Water droplets and contaminants doesn't adhere on its wines thanks | Wings surface show a roughness at rano scale caused by a single level of conical cells. | Hydrophobocity by | Surface tension regulation | 20 | nice | Water droplets | | Surface energy | Various terrestrial | sucreptions textured surface with sidess and/or | respectively and a | Megnia San, Aping Liang, Gregory X. Walson, Infanta A. Watson, Yangmei Zheng, Jie Jujiei |
| _ | | | , | - | - | | | | | | | | | to a specific monitoripation surface. When develops and contaminants | this monitoring and its analysis and any south of the second seco | functional roughness | via micra morphology | | | | | Gravity | Heat molitance 200°C | minut according to micro/nano testured | 101010101010 | |
| 92 | ¥. | animal | M. opalifer | wines | Repel | water | N | | | | | | | doesn't adhere on its wines thanks | things curtace show a roughness at rand scale caused by a single level of conical cells. | Hydrophobocity by | Surface tension regulation | 20 | nice | Water droplets | | Surface energy | Various terrestrial | sucreptions textured surface with sidess and/or | respective and an an | Meguia San, Aping Liang, Gregory X. Walson, Manta A. Walson, Yanamet Dheng, Jie Juliet |
| _ | | | (dicada) | | | | | | | | | | | to a specific month/insticut surface. | this monitoring and its analysis and any south of the second seco | functional roughness | via micro-moshology | | | | | Gravity | | office secondary to | 1002401012201 | The Difference of California Department of the |
| 12 | ¥. | animal | C atrata (cicada) | wines | Repel | water | N | | | | | | | Water diopiets and contaminants doesn't adhere on its wines thanks | tengs curtace show a roughness at rana-scare caused by a single level of conical cells. | Hydrophobocity by | Surface tension regulation | 20 | nice | Water droplets | | Surface energy | Various terrestrial | micro/nano textured surface with ridges and/or | ne prebinopelar | Meguia San, Aping Liang, Gregary X. Walson, Infanta A. Walson, Yangmei Zheng, Je Jujiei |
| _ | | | | | | | | | | | | | | to a specific montoinatical surface. Water and oil draplets doesn't | | functional roughness Hydrophobocity/Oleo | via micro-morphology | | | | | Gravity | Heat revisitance 200°C | million according to micro/vano testured | 1002401012201 | |
| 94 | | animal | Leafboppers | wines | Repel | water | N | Repel | eil lie | air. | | | | water and or dropiets doesn't adhere on its surface thanks to a | Leafhopper integunent ("duir") show a bieranchical roughness generated by a capting of | Hybrophotocity/Creo shobicity by | Surface tension regulation | 20 | nice | Water droplets/bill | | Surface energy | Various terrestrial | sucreyvano sectured surface with ridges and/or | arrhente net/Teur | Roman Rabition and Standary N. Gardy "Bris beyond costs/ours Indhosen's Drawita. |
| - | | | locadellidael | | | | | | | | | _ | | The adhesion of water and organic | foregrouph charge contribute with holine com- fourface topography can vary greatly within | functional southness Hydrophobecity | (a case of a case) | | | | | Gravity | | million provident to micro/vano textured | Server Thirds and no. | International India National, Kall Holling, Hann Gringers Schule, |
| 95 | N | animal | (pringtail) | Body | Repel | water | NE | Repel | ail | air | | | | liquind displets is prevented, even | Collembola families. | (Onniphabicity) by | Surface tension regulation via micro-morphology | PA | micro | Water droplets | | Surface energy Gravity | Various terrestrial | curface with ridges and/or | er com/article/10 | Cardies Warner, Christiph Section, "Duenity |
| - | | | fatomolecomoco. | | | | | | | | | _ | | to also that the second s | Neurotheless there are some traits much more | functional southease | | | | | | annig | Toppical analogous of | nillaur according to microlenan Natural | LOCAL DOCUMENT | and automatic considerings to the function of |
| 96 | N | plant | Colocasia esculenta (Taro) | Leaf | Repel | Water | air | Repel | bacteria . | water | | | | doesn't adhere on its leaves thanks | micro and rano scale, composed respectively by | Hydrophobecity by functional roughness | Surface tension regulation via micro-morphology | PA | micro | Water droplets | | Surface energy Scruits | Temperature | curface with ridges and/or | anticycholar.org/p | being a series failing by cellarity and bacteria |
| - | | | Accession (reach | | | | | | | | | _ | | to a specific month/inside auflace. Water drapiets adhere or its | Facut leaves show a micro roughness due to a | | Place change | | | | | anny | Various Introduct | million screeting to micro/rano testured | Server Viersee min | under submerzeit conditions, Lonemak 27. Einest Ehushan, Yang Daer Jung, "Natural |
| 97 | N | plant | Fagus sylvatica | Leaf | ATURA | Water | air | | | | | | | surface because of its superficial | nico bunks separated by surken revolute, all | Hydrophilicity by functional roughness | Surface tension regulation | PA | nice | Water droplets | | Surface energy Gravity | Temperature | surface with ridges and/or | archeate.net/Teur | and biamimetic artificial surfaces for |
| | - | | | | | | | | | | | - | | Water displays advent on the | Maendia leaves they a micro roughness due to a | | via minor month-form | | | | | | Various terrestial | micro/rano testured | https://www.eeee | sambokadoloty of chaning los Elanai Ehuban, Yang Dan Jung "Natural |
| 98 | N | plant | Magnola erandifiera | Leaf | ATUALT | Water | air | | | | | | | surface because of its superficial | micro bumbs separated by raised revolute, all | Hydrophilicity by functional roughness | surface tension regulation | PA | nice | Water droplets | | Surface energy Gravity | Temperature | surface with ridges and/or | archgate.net/Tgur | and latent metal and facial surfaces for |
| | - | | | | | | | | | | | | | Water can completely wit the | The superficial marghetizy of the Perictome and | | Place change | | | | | | | micro/nano testured | https://www.peper | Nalger F. Bahe and Kidler Pedele, "Image |
| 99 | ¥. | plant | Pitcher plant | Ticcues - | ATUALT | Water | air | Repel | Cil/ organic Invite | air | | | | Perictome thanks to its micro | the material whom is composed ensure an high | Hydrophilicity by functional roughness | surface tension regulation | PA | nice | Water droplets | | Surface energy Gravity | Tropical environment | surface with ridges and/or | c.org/article/med | equaptering: Nepenther, pitcher plants |
| - | | | Namib Desert | | | | | | | | | - | | The Namb ages Stateouts | The surface is not hydrophobic. It shows a | Automobile in the | de arbor er rek de e- | | | | | | DHAT | micro and nano propers | http://www.mie | Deer M. 7 Meanly and 8 Eath-Belletich |
| 100 | N | plant | Grass. | Leaf | Extract | water | air | condense | water | air | | | | cabulcula relies, to a large degree, | substantial contact angle hysteresis and therefore, | Hydrophilicity by functional roughness | Surface tension regulation via micro-morphology | PA | nice | water vapour | | Surface energy Gravity | Temperature | along an elungated fibre | archgate.net/Tgur | 2011 Tiffairei fug Hanesling by Sipagradis |
| - | | | Malesseeh | | | | | | | | | - | | Dual hydrohobic hydrohilicwrt- | The young leaves of the bamboo plant, | Hydrophobicity/Hydr | Phase change - Surface | | | water droolets | | Surface energy | DHAT | - bisk offers as conferred | https://com.ac.uk | M. Wasell, S.C. Records, S.G. Devictoria. |
| 105 | N | plant | Bamboo | Leaf | Extract | water | air | Repel | water | | | | | tability ofyoung Phyliostachys aurea | Phyliostachys aurea, exhibit a distinct dual wetting | equilibrium and a second secon | Phase change - surface tension regulation | PA | Micro | around 1-60 µm | Re intermediate | Surface energy Gravity | Air maisture at supprt | | /downlasd/pdf/3 | M. Wilsona, M.T. Havris, L.W. Fletcher, D.P.K. |
| - | | | | | | | | | | | | - | | the curface of the leaves is covered | typoscopic call on the leaves attracts | | phase change - Oumatic | | | £ | | Surface energy | | use hyperparatic fluid to | http://www.mie | Museum A. Lates 17 Research # |
| 102 | N | plant | Nolana Mollis | Leaf | Extract | Molizure | air | condense | water | air | | | | with salt glands which allow the | asmospheric water. Sailty water then drops on the | hyproscopicity | prace change - Ocinatic patiential | PA | nice | water vapour | | Surface energy Gravity | Deset | attract water indecules | archeate.net/publ | and P. W. Rundel. 1980. "Jänninghevis Water |
| | | | | | | | | | | | | | | Novodinia antiliensis is an | in the most frequently abserved ratural posture, | | Surface - Dead end | | | | | Dyramic pressure | | Adaptable to flow tirwing | http://fau.dialtal.f | Emain, R. K., and C. M. Yaung. 2014. Trending |
| 103 | N | animal | Brisingid sea star | feeding cydam | Тар | particles | Water | Filter . | particles | Water | | | | opportunistic macroscopic | the arms combine to produce a regular backet-like | Accembled Sieving | filtration - Sieving | PA | Micro/neco | particles | Re labermediate | eradient | Seawater | ctructure made of arms | bc.org/slandorg/ | Mechanism of the Britingial Karlsh Novadinia |
| | | | | | | | | | | | | invared. | | The filtering apparatus of whales - | kaleer cansists of racks of hundreds of kerstinous | Continuous ram | Surface - Dept and | | | from mon to con | | Dyramic pressure | | Structure made of an array | https://wb.biologi | Whith A J 2015, 'Reg Crossedent Parasity |
| 104 | ¥ | animal | Bowhead Whales | Feeding cyclem | Filter | particles | Water | move | Ekquids | channel | raferecase | anages anti | baleen curface | called Balees - unlike nets and | plates that are worn at their internal edge into | fibration with dead- | filtration - Cross flow | AC/98 | Micro/Meso | (ksil/Tsh) | Ri High (turbulent) | gradient | Seawater | of plates oriented | sts.org/content/2 | and Other Exmechanical Properties of |
| | | | | | | | | | | | | inneed | | The filtering apparatus of whales | Ralees cancists of racks of hundreds of keratinous | intermittent lange | Surface - Dead end | | | forum to crit | | byramic pressure | | Structure made of an array | https://wb.biologi | Merch, A. J. 2013. 'New-Dependent Parasity |
| 105 | N | animal | Humpback Whale | Feeding cyclem | Filter | particles | Water | move | Ekquids | channel | raferecase | anti | baleen curface | (Cetacea: MytSiceS) is usually | plates that are worn at their internal edge into | fibration with dead- | filtration - Cross flow | AC/98 | More/Mesa | (krit/Tatt) | Ri High (turbulent) | gradient | Seawater | of plates oriented | sts.org/content/2 | and Other Biomechanical Properties of |
| | | | | | | | | | | | | | | The backing shark is a filter-feeder | Feeding behavior features cuimming clowly rear | cam filtration - | Surface - Dead end | | | | | Dyramic pressure | | Structure for cross-flow | https://www.taba | Sandenan, E. Laurin, Erin Ralawin, Jillan |
| 106 | N | animal | Backin shark | Feeding cyclem | Filter | particles | Water | move | Ekquids | | | | | relying on brictle-like gill takens to | the surface with the mouth held wide open. This | vortical closs step | filtration - Cross flow | AC/98. | Micro/Meso | 5-3000 µm particles | Ri High (turbulent) | gradient | Seawater | ceparation precenting a co | re com/articles/n | Livelag, and Hannah Brooks. 2016. Yesh |
| | | animal | Whole Shock | | | | where | | | | | | | Consideration of the filter feeding | the new knew that whole sharks use at least three | kan filtration dead- | Surface - Dead end | ar //24 | Mondature | plankton around 2- | | byramic pressure | Securiter | cieving mechoutring back | https://www.sem | Mettin, Philip J., Mishard Maclania, Salarri E. |
| 103 | ~ | 2010 | Whate shark | feeding cydam | Hater | particles | Waster | | | | | | | nectanion is whate chartic has focused on two optimizial methods: | methods of filter feeding. The most readily observable, due to its incruise, is surface raw filter | end sieving, hydrosol fibration and const. | fibration - Cross flow - | AC/VA | MocyMeta | anın (iraybe down | RE High (turbulent) | gradient | seawater | wash to dean it | anticecholar orgio | Harter, Ray L. Davis, Rafael de la Parra, Torraelha I. Michael: Maria Lana Robertari |
| | | animal | FarWorm (operta | feeding system | im. | particles. | WOOK | | anticles | ation | | anane/ | | The radiating filaments of fanworms filter water for food | in polychaeters, the gills are formed by radiant filaments that have lateral branches, called | Straining | Surface - Dead end | | nice | 2 to 200 µm | Re latermediate | Dynamic pressure | Securitar | Straining ctructure composed of radiating rods | https://www.sem | Mechanism, Farmation of the Tube, and |
| 108 | | 2010 | spallanzanii | beeding cydam | Ligact | particles | Waster | eart | particles | pances | build | coating | aller . | tanwome, titler water for food contribute and for building protected | tisanetic that have lateral branches, called tisanetic any input with ultrating citis that | Maning | staining | Ac | PICG . | phytoplaniston | Re liberinediate | gradient | seawater | composed of radiating rods from a central body with | anticecholar org/o | Physiology of Digestion in Salaria Passarina'. |
| | | animal | Manta rav | feeding system | | particles. | water | | Liquids | | | | | Manta cays are large elasmobranchs that feed by | The filtering apparatus is these animals is a highly modified gill rakes, comprising long, parallel arrays | called "ricoscet" | Cross-Stee Filtration | | nice | | Ri High (turbulent) | Dyramic pressure | Seawater | | archeate.net/Teur | Dai, Rej V., James A. Unather, and E. W. Minity Paig-Tran. 2018. "Manka Rays Freed |
| and | ~ | an mill | manua raly | seemed chipse | and a | persons | water | in the second seco | rubuar | | | | | residences with ones months | of lost like fiber lober (11, 18, 3% Whee moves | filtration | Cars any ribatol | ~ | en.w | 50 to >500 µm | w will (organissi) | gradient | STATES . | | e/The-marts-ray- | Using Roothert Separation, a Novel |
| 110 | ~ | minut | Caddix fly | feeding cyclem | film/ | and char | witter | 0004 | limite | | | | | Feeding chamber. Rather complex | Trichopteran lance (Macconena transvenum) construct a feeding chamber and lancel retreat of | Interception - Inertial Impaction | Surface - Dept and | 24 | mice. | | | Dynamic pressure | | Plot tube like structure | archeste.net/publ | WALLACE, J. BRUCK, and P. P. SHERBERGER. |
| | - | | (macronema) | trease spaces | | | | | | | | | | structure, see articles | | | and the second the | | | particles ym | | gradient | Fresh water streams | with net inside | kation/32421690 | ETRUCTURE OF MACRONENIA TRANSPERSION |
| 111 | × 1 | animal | Mammak | feelashes | defect | particles/indista | air. | mour | Liouids | | | | | Eyelashes or mammals protect the ever from airborne particles by | Eveloches act differently from other biological filter system such as bairs in the nose and airway. | watewes for | pretration | PA | 1 | particles/water | Re latermediate | Dyramic pressure | Various terrestrial | fibres/filaments disposed | troublishing craft | Anadar, Gullerma I., Wenke Mao, Peler DeMeniuria: Carmen Mantena, Bel Dewit. |
| | | | | | | Ð | | - | | | | | | referring sifting | that two contries further durat softwar series, indecedants in the process by which only take in | deflection | (Surface) Tracoine and | | micro/meso | vapour various particies and | | gradient | an an and | at specific intra-distances Moving of | ol/10.2098/nif.20 | Elevander Elevano, and Ecold L. No. 2021. |
| 112 | × | eviacion | Cell | Cellular | Trae | particles/liquids | Woors/Plasma | Transport | particles/liquids/ | irsanenbare | connect | escicles | nenbrane | Take in material via Endocutoris | Endocytods is the process by which cells take in materials. The cellular membrane folds around the | Plagocytacis/Pinocyt | (Surface) Trapping and transport | <i>M</i> | nice | various particles and liquid (liqid drops) | | ATP (metabolic | biological tissues | Moving of substances/serticles from | one's /biology/ex | Mass. Jim. withord a scalwight Tedes Look. |
| | | | | membrane | | /indiecules | | | indiecules | uppe - | | | avec | a constant | Security of the security of the security of the internal | odis via vescicies | terrorary best Electrics | | - | A Sum | | ecergyl | | ride "a" of a third base feet | ocytosis-and- | · · · · · · · · · · · · · · · · · · · |
| 113 | N | eulariza | Cell . | Cellular | Expel/Excent | particles/indec | Woors/Plasma | Transport | particles/liquids/ | incomembore . | CONTINUES | escicles | nenbrane | Get rid of material via Exocutoria | Execylopics is the durate, energy-concurring process by which a cell directs the contents of | Expulsion via verzicia | (Surface) Trapping and transport | ĸ | nice | various particles and liquid (liqid drops) | | ATP (metabolic | biological tissues | Moving of substances/serticles from | one/c/biology/ex | https://ex.arkipedia.org/wiki/Exacytasis |
| | | | | membrane | 0 | UPL . | | | naecaes | uppe - | | | avec | The orbeitate spider continuously | The water collecting ability of the silk of the | VISCIDIA | | | - | a.f | | ecergy | | net-like structure | | |
| 114 | N | animal | Cribellate Saider | Silk web | E-mac | water | air. | move | Liouids | suffice | Condence | noisture . | urbor | the criberate spider continuoupy collect water from air impicture and | the water conecting ability of the cik of the criteriate spider is the result of a unique fibre | Endersation and | Phase change | 20 | Molecules, Mi | water droplets (5-20 | | Surface energy | Forest environment | composed of intertwined | archeate.net/Teur | Zheng, Yangmet, Hao Bat, Zhanglong Huang, Xuetin Taim, PurQiang Nie, Yang Zhao, Jin Zhai, |
| | | - | | | | | | | | | | | | The Salga's rose is an adaptation | The musculature of the proboscis is less | Conduct Wing of | Marca Change Scotters | | cre | pmin size) | | Laplace pressure | | Clandel Linkshow Lackey | being Harana mus | and her have Web Westmend Midler |
| 115 | N | animal | Saiga | Respiratory | Extract | water/particles | air | Trap/Condenc | water/particles | air | nove | ir - | | to the extremely cold and ducty | differentiated, but its large-area fan-shaped | water vapour | Dead end | AC/PA | nalecules/M | particles | | Muscular/Metabol | Dvy steppes, semi- decert associands | dust and/or cold air is from | archgate.net/Tgur | Forg. Roland, Ilya Valindin, and Elena Valadina. 2027: 'A Nase That Room Anatomical |
| | | | | al creation | | | | | | | | | | hundlack whates capture prev by | Humpback wholes use vocalizations to | N- dawn (bernd and | Fac | | LFW. | | | | www.Encount | small contines, when | Mary Harney State | has been a subsequence of the second se |
| 116 | × | animal | Humpback whates | Feeding | 939 | school of fishes | water | moue | Liquids | | | | | numplack whose capture prey by engaging in complex feeding | Humpdack where use vocalizations to communicate to one another and effectively and | Trapping using hubble cerry | Trapping using net | NC. | macro | Sches several cm | Ri High (turbulent) | byramic pressure continent | Seawater | 1 | archgate.net/Tgur | Herdlander, Jr.), Alexandro Bosconorill, David Wiley, Darielle Chalewick, ColorWare, |
| _ | - | | | annan wei | | | | | | | | | | High concentrations of heavy | Weight a second state of a second state | | | | | w.g | | for an and the second | | | here Johns contra | https://phys.org/news/2018-02- |
| 117 | N | bacteria | C metallidurans | feeding system | Extract | nineais | sall/hack | morianet | nireals | rock | | | | metals, like copper and gold, are | Please refer to references for detailed explanation | Chemical process via antimer | Chemical stansformation | NC . | Molecules | | | Metabolic | Sol/Rock | 1 | max/2018-02- | bacteria cold directing taxic- |
| - | -+ | | | | | | | | | | | | | Decet corpion Mndroctonus | The exocion resistance characteristic of arouved | ensures deflecting particles | | | | | | | | Surface with micro texture | https://asknature | These locate Things like Resultant Ma |
| 118 | ¥. | animal | Desert Scorpion | dala | deflect | particles | air | ecuan | adhesian | | | | | austalis) is an animal living in | surface can be attributed to the particle impact | via curface | Deflection | PA | meso-macro | | | byramic pressure prodient | Deset | made of groaves to resist | ors/strates/burn | Diang, Jurrepu, Drivau Han, Kang-Iong Ma, Wei Yan, Yau Li, and Luripuan Ken. 2013. |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |