|  |  |
| --- | --- |
| Organism | Competition |
| Ecosystem | Environment |
| Species | Population |
| Community | Habitat |
| Niche | Ecological Succession |

|  |  |
| --- | --- |
| working for a limited amount of resources  https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcTX7wZmKYWeBsAJNstM7CZyH83d5oJmKH3yvsb3HlOCHrMMfD_D_NA9UZe8 | a living thing  https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcTleJql_zwfC5XX-dKol4mgkudER4JqUcFq3SPH3CRPYo83QVZiFwzJmzvW |
| all the surrounding conditions that support different types of organisms  http://kids.niehs.nih.gov/assets/images/stories/sharon_environment/sharoncov_500x489.jpg | all the biotic & abiotic factors in an area  http://www.kidsgeo.com/images/ecosystem.jpg |
| organisms of the same species in an area  https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRbPXQdLFybhYuayktov1VaRs5e2rlqKJveX2rieNKsYyyUYijqyw | organisms with similar characteristics that breed and produce offspring  http://sr.photos2.fotosearch.com/bthumb/CSP/CSP992/k13062388.jpg |
| where an organism lives  http://www.fisher-price.com/en_US/Images/Wild-Habitat-Preschool-Science-Game_tcm169-11645.png | all the populations that live in an area and interact  https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcRQ_enMZWYZuIoc-zVaKHqT0P4zJiOix54UdG9mNQQETaI-1bCDAsQmfwzB |
| slow, gradual replacement of animals and plants due to changes in the environment  http://upload.wikimedia.org/wikipedia/commons/4/47/Secondary_Succession.png | the job or role of an organism in an ecosystem  http://staffingtalk.com/wp-content/uploads/2013/08/niche.jpeg |

|  |  |
| --- | --- |
| Primary Succession | Secondary Succession |
| Symbiotic Relationship | Parasitism |
| Mutualism | Commensalism |
| Food Chain | Food Web |
| Herbivore | Carnivore |

|  |  |
| --- | --- |
| the series of community changes which take place on a previously colonized, but disturbed or damaged habitat.  The Heathland Project area at the Woodland Education Centre. Cleared in 1993. | the development of plant and animal life in an area without topsoil  http://www.quia.com/files/quia/users/rebekahking1/Activities/succession/secondary_succession |
| One benefits and the other is harmed  http://www.biodiversityinfocus.com/blog/wp-content/uploads/2010/08/Parasitized20100814.jpg | Close relationship between 2 or more organisms  http://upload.wikimedia.org/wikipedia/commons/7/70/Common_clownfish_curves_dnsmpl.jpg |
| One benefits and the other is neutral  http://images.tutorvista.com/content/biotic-community/commensalism.jpeg | Both benefit  http://education-portal.com/cimages/multimages/16/Honeybee_and_flower.png |
| a network of interrelated food chains in a given area  http://www.epa.gov/acidrain/education/site_students/images/3rdlevel/foodweb.gif | energy is passed from one organism to another; SUN-producer-consumer  http://www.sheppardsoftware.com/content/animals/kidscorner/images/foodchain/fullchain.gif |
| only eats animals (meat). Example lion.  C:\Documents and Settings\almasanchez\Local Settings\Temporary Internet Files\Content.IE5\SL5M6RLU\MM900040915[1].gif | only eats plants. Example deer.  C:\Documents and Settings\almasanchez\Local Settings\Temporary Internet Files\Content.IE5\6L4WZPV7\MC900356157[1].wmf |

|  |  |
| --- | --- |
| Omnivore | Predator |
| Prey | Scavenger |
| Producer | Consumer |
| Decomposer | Photosynthesis |
| Nitrogen Cycle | Extinct |

|  |  |
| --- | --- |
| hunt & feed on other organisms. Example tiger.  C:\Documents and Settings\almasanchez\Local Settings\Temporary Internet Files\Content.IE5\N2CTZQKI\MC900186046[1].wmf | eats plants & animals. Example humans.  http://instituteofhumananatomy.com/wp-content/uploads/2013/11/human-immune.jpg |
| feeds on dead organisms. Example vulture.  C:\Documents and Settings\almasanchez\Local Settings\Temporary Internet Files\Content.IE5\9NBFGY7I\MC900030493[1].wmf | organism that is hunted. Example rabbit  C:\Documents and Settings\almasanchez\Local Settings\Temporary Internet Files\Content.IE5\SL5M6RLU\MC900299463[1].wmf |
| feeds on other organisms. Example animal.  https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcSH2TKPISMsJsGkfDIbm-Dl3Maiwkc6WZKg-kyJuA30SzcP8P-Cxz31FmoA | makes its own food. Example plant.  https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcSH2TKPISMsJsGkfDIbm-Dl3Maiwkc6WZKg-kyJuA30SzcP8P-Cxz31FmoA |
| Carbon dioxide + water + energy = Glucose + Oxygen  http://www.earthtimes.org/newsimage/photosynthesis-dream-renewable-energy_1_02842012.jpg https://bioweb.uwlax.edu/BIO203/2011/lutz_jose/templates/photosythesis%20equation.jpg | feeds on dead organisms or waste. Example Fungi, bacteria.  C:\Documents and Settings\almasanchez\Local Settings\Temporary Internet Files\Content.IE5\N2CTZQKI\MC900036442[1].wmf |
| a species dies out  C:\Documents and Settings\almasanchez\Local Settings\Temporary Internet Files\Content.IE5\SL5M6RLU\MC900292990[1].wmf | Nitrogen is cycled by living things. Bacteria change the nitrogen in the air into a form that plants can get & use from the soil. Animals get nitrogen by eating plants. Decomposers return nitrogen from dead plants & animals back to the soil.  https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcRVsFM3djXuB9zDi6xBybGOYry4cQmaMQt1WVd1aZ7ZJN2i294OGbhzAHru |

|  |  |
| --- | --- |
| Endangered | Environmental Changes |
| Limiting Factors | Carrying Capacity |
| Cells | Nucleus |
| Cell Membrane | Diffusion |
| Osmosis | Turgor Pressure |

|  |  |
| --- | --- |
| the survival of an organism or species can be affected by changes in the environment (example-if grasshoppers are killed by insect poison and dies, the birds fee3ding on them will decrease in number)  http://www.hyscience.com/photos/planet.jpg | the number in a species gets smaller & may become extinct  http://www.worldwhalers.com/wp-content/uploads/2013/08/endangered_animals.jpg |
| the maximum population that can live in an area of a period of time (controlled by limiting factors)  https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcQXhqGGAk9Ku6o2YkqZ3KyGiCQ2dY1DyUA2Y1hb07vuoFLzxXQQTiymxA_a | factors that control a population’s size (ex-food, water, shelter)  https://encrypted-tbn2.gstatic.com/images?q=tbn:ANd9GcT3jKVJafJzipw23hK8e2fyUat86wQ_-VRIwVl3g4aw2VrRV5KamNXMHC-M |
| controls activities & contains chromosomes  http://upload.wikimedia.org/wikipedia/commons/0/06/Blausen_0212_CellNucleus.png | smallest unit of life, all organisms are made of 1 or more cells, cells have functions (jobs), have smaller structures that each have a function  http://leavingbio.net/cell%20structure_files/Cell%20Structure_files/image023.jpg |
| movement of molecules from areas of high concentration to low concentration  http://www.occc.edu/biologylabs/Images/Cells_Membranes/diffusion.gif | controls what enters & leaves the cell  http://m.harunyahya.com/Image/Cell-Membrane-Structure.jpg |
| water pressure in plant cells caused by osmosis-allows plants to remain upright.  http://2.bp.blogspot.com/-LYgfXA0u8lM/TzB-v0wsVmI/AAAAAAAAI0g/AYsjJ7bWAf8/s1600/turgor%20pressure%20-%20before%20and%20after.jpg | movement of WATER from high concentration to low concentration  http://www.hartnell.edu/tutorials/biology/images/osmosis1d.jpg |

|  |  |
| --- | --- |
| Heredity | Gene |
| DNA | Chromosome |
| Allele | Dominant Trait |
| Recessive Trait | Genotype |
| Phenotype | Homeostasis |

|  |  |
| --- | --- |
| piece of DNA that codes for a trait  http://www.accessexcellence.org/RC/VL/GG/images/genes.gif | passing of traits from parents to offspring  http://images.tutorvista.com/contentimages/science/CBSEXScience/Ch529/images/img1.jpeg |
| contains DNA, found in the nucleus  http://www.biologycorner.com/resources/chromosome-labeled.gif | contains genetic information; found in nucleus; inherited through egg and sperm cells  http://ghr.nlm.nih.gov/handbook/illustrations/dnastructure.jpg |
| trait that covers up the other trait; is represented by a capital letter  http://www.muskingum.edu/~psych/psycweb/history/mendelchart.gif | a form of a gene that controls a trait  http://click4biology.info/c4b/4/images/4.1/homologous.gif |
| the letters that represent the inherited alleles; represented by letters )TT, Tt, tt)  http://upload.wikimedia.org/wikipedia/commons/thumb/1/17/Punnett_square_mendel_flowers.svg/550px-Punnett_square_mendel_flowers.svg.png | trait that is covered up by the other trait; represented by a lower case letter  http://people.emich.edu/hgraban/PunnettSquare2.jpg |
| ability of an organism to keep an internal balance (equilibrium) using feedback mechanisms  http://www.tollecausam.com/wp-content/uploads/2014/01/Homeostasis.gif | the way an organism looks (tall plant)  http://epfb.files.wordpress.com/2011/09/genotypephenotype.gif |

|  |  |
| --- | --- |
| Feedback | Levels of Organization |
| Traits | Inherited Trait |
| Natural Selection | Evolution |
| Inherited Behavior | Learned Behavior |
| Adaptation |  |

|  |  |
| --- | --- |
| cell-tissue-organ-organ system-organism-population-community | an organism responds to a stimulus: Body temperature too hot-person sweats, Body temperature too cold-person shivers  https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcRSL5EhmZ2iuR7y9bS-AhBFuhvqIUX9dn-OElRe3QGUAQCYUCs8WGhoqlyn |
| characteristic passed from parent to offspring  http://o.quizlet.com/MbkxES48JH5caqd50E8KuA_m.jpg | an organism’s characteristics (examples-color of seed, height of plant)  http://upload.wikimedia.org/wikipedia/commons/4/46/Biometrics_traits_classification.png |
| changing of a species’ traits over many years  http://mamblahg.files.wordpress.com/2013/06/whale-evolution.jpg?w=590 | process by which organisms with certain traits survive & reproduce more successfully than others  http://4.bp.blogspot.com/-xwaQ8NvkXRY/UDgbkABb0dI/AAAAAAAAAQY/PmImLaiWxxI/s1600/12309712.gif |
| behavior an organism is not born with (example-writing)  http://newsimg.bbc.co.uk/media/images/44938000/jpg/_44938450_dolphin226b.jpg | behavior an organism is born with (example-blinking)  http://img.docstoccdn.com/thumb/orig/123451583.png |
|  | trait that helps an organism live & meet its needs better. (example-a duck’s feet are webbed to help him swim in water)  http://king.portlandschools.org/files/houses/y2/animalmaineia/files/species/puffin/Puffin%20webpages/ecology/Frog.gif |