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| **Ecosystem Vocabulary** | **Geological Processes Over Time** | **Diversity of Living Things** |
| * population * producer * consumer * decomposer * coexistence * cooperation * competition * predator * prey * parasitism * mutualism * thermal * habitat * matter * energy * niche * biotic * abiotic * internal * external * structure * scavenger * terrestrial * aquatic/marine * fresh water * salt water * food webs * symbiotic * commensalism * ecosystem * condensation * transpiration * evaporation * precipitation * food chain * cycle * fertilizer * herbivore * carnivore * omnivore * photosynthesis * ecologist * autotrophic * heterotrophic | * breaking * uplift * geological * law of superposition * igneous rock * metamorphic rock * intrusion * ice core * faults * sediments * undisturbed rock layer * geologic time scale * uniformitarianism * relative age * absolute age * fossils * index fossil * trace fossils * relative dating * radioactive dating * erosion * radioactive decay * catastrophe * asteroid * sedimentary rock * folding * unconformity * geological column | * anatomy * evolution * Pangea * variation * extinction * biological evolution * generation * adaptation * embryological similarities * artificial selection * natural selection * extinction * mutation * Fossil record * Genus * Domain * Species |

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| **Biotechnology** | **Chemistry** | **Disease/ Molecular Biology/ Nutrition** |
| * biotechnology * ethics * forensic * cloning * genetic engineering * genetic modification * agriculture * GMO- Genetically Modified Organisms | * Atom * Atomic number * Atomic mass * Electron * Proton * Neutron * Compounds * Mixtures * Mass number * Periodic Table * Dmitri Mendeleev * group * period * properties * metal * nonmetal * metalloid * nonreactive * transition metals * density * solubility * chemical reactions * exothermic reaction * endothermic reaction * chemical equation * Law of Conservation of Mass * product * reactant * heterogeneous * homogeneous * solution * Mixtures * Compound * Pure substance * Solution * Solubility * Concentration * Solute * solvent | * virus * bacteria * fungi * disease * epidemic * pandemic * host cell * vaccine * AIDS * influenza * common cold * polio * chicken pox * small pox * yellow fever * meningitis * West Nile * Ebola * rabies * Lyme disease * leprosy * antibiotic * antiviral drug * vector * infectious disease * noninfectious disease * pathogen * biomedical research * tuberculosis * Carbohydrates * Nucleic acid * Lipid * Phospholipid * Protein * Macronutrients * Hygiene |

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| **Hydrosphere** | **Impact on Water** | **Effects of Energy** |
| * hydrosphere * distribution * river basin * ice caps * glacier * aquifer * surface water * watershed * saturated * impermeable * permeable * groundwater * waterway * sediment * evaporation * precipitation * terrestrial * Wetland * Estuary * Ecosystem * Dissolved gasses * Upwelling * Sustainability * Submarine * Sonar * Remote satellite * Bio-indicator | * potability * dissolved oxygen * pH * nitrate * phosphate * turbidity * bio-indicators * contaminants * urbanization * agricultural * point-source pollution * non-point source * water quality * water treatment * Clean Water Act * Safe Drinking Act * Thermal pollution * pesticide residue * industrial waste * water treatment plants * Conservation * Stewardship | * implications * depletion * renewable * nonrenewable * conservation * preservation * natural resources * stewardship * Renewable resources * Non-renewable resources * Fossil fuel * photovoltaic cells (solar energy) * hydroelectric energy * petroleum |