

Levels of Organization

<p>List the three particles in an atom, what their charge is , and where they are found in the atom List the 6 most abundant elements in the human body. Draw a Bohr model of one of the smallest ones. ATOM (definition)</p>
<p>Define ELEMENT, COMPOUND List in table form the four major macromolecules, the elements in them, example(s) in organisms, the functions Define INORGANIC and List 2 examples used by organisms MOLECULE (macromolecules) (definition)</p>
<p>Define PROKARYOTE. List the 1 group found in this type of cell. List 3 characteristics for this group. List 5 or more structures found in this type of cell. Define EUKARYOTE. List the 3 groups found in this type of cell. List 6 example organisms for the simplest group. Compare and contrast structures found in the other 2 groups CELL (definition)</p>
<p>List 4 types of tissue found in humans. List an example of each type of tissue. List 6 organs found in the human. Choose 3 of those and list the tissues found in each organ. List 6 organ systems. Choose 3 of those and list the organs and other structures found in each organ system. GROUPS OF CELLS—TISSUE, ORGAN, ORGAN SYSTEM (definition for each)</p>
<p>List 8 characteristics of life List the 6 kingdoms and an example organism from each Choose 1 of those example organisms and describe how they demonstrate each of the 8 characteristics of life Draw an example cell from your chosen organism ORGANISM (definition)</p>
<p>List 3 characteristics of populations; Define POPULATION DENSITY; List 3 factors that affect the size of a population Define IMMIGRATION, EMIGRATION, EXPONENTIAL GROWTH Draw a diagram for exponential growth; Explain why it is happening Define LOGISTIC GROWTH; Draw a diagram for logistic growth; Explain why it is happening Define CARRYING CAPACITY; Label this on the logistic diagram Define LIMITING FACTORS and list 6 examples Define DENSITY-DEPENDENT LIMITING FACTOR, and list 3 examples Define DENSITY-INDEPENDENT LIMITING FACTOR, and list 3 examples Draw an example diagram of a predator-prey relationship. Describe what is happening Define DEMOGRAPHY, DEMOGRAPHIC TRANSITION; List 3 countries each that are developed, developing and not developed Draw a diagram for a demographic transition; Draw an age-structure diagram for a developed and undeveloped country POPULATION (definition)</p>
<p>List 10 populations in our “community” Choose 1 land biome and 1 water system to explore how organisms interact with one another: Give an example of predation in each area you chose Give an example for each of the 3 types of symbiotic relationship Choose 3 resources that organisms need and describe how organisms in your 2 areas compete for them COMMUNITY (definition)</p>
<p>List 5 biotic factors; List 10 abiotic factors; List 5 resources an organism needs Define COMPETITIVE EXCLUSION PRINCIPLE, PREDATION, ECOLOGICAL SUCCESSION, HABITAT, NICHE, COMPETITION Complete with the definitions: list 1 example for comp ex principle, list 3 examples of predation, describe primary and secondary succession in paragraph form, list 3 examples of habitat, draw a diagram of the warblers and explain what niche each holds List 3 types of symbiotic relationships, define each , and give an example of each ECOSYSTEM (definition)</p>
<p>Define TOLERANCE, MICROCLIMATE List 10 major land biomes and 2 additional land areas that are too small to be considered a separate biome List 2 different types of freshwater ecosystems and 3 examples of each; List 4 factors that determines the type of water system it is List 2 types of estuaries and describe what makes an estuary what it is; List 5 different marine ecosystems or parts of the ocean Compare and contrast 3 land biomes in table form; describe the characteristics of 1 water system BIOME (definition)</p>
<p>Define WEATHER, CLIMATE; List the 4 types of biogeochemical cycles; on separate paper Draw & describe each of the 4 cycles Draw a diagram of the greenhouse effect; Explain how it is created and what effects it has Draw globe(s) labeled with latitudes, wind and ocean currents (use different colored arrows); Describe(in separate paragraphs) the effects of latitude, wind, and ocean currents on climate BIOSPHERE (definition)</p>

ON BACK: **Define** ECOLOGY, FOOD CHAIN, FOOD WEB; **Draw** an example food chain and food web with 5 trophic levels (producer, 3 types of consumers, and decomposer) for any type of biome; **label** the producer, primary-secondary-tertiary consumers, decomposer; **Draw** the 3 types of pyramids with example organisms in a biome, **describe** in paragraph form how each changes from bottom to top