

Unit 1

Levels of Organization

I. Levels of Organization

- A. Ranges from a _____ individual to the entire _____
 - 1. _____
 - 2. Populations
 - 3. _____
 - 4. Ecosystem
 - 5. _____
 - 6. Biosphere

II. Energy Flow

- A. _____ is the main E source for life on _____
 - 1. _____ are _____ that use this process to feed the world
 - 2. Done in 2 ways:
 - a. _____
 - Taking _____ E and changing it to a _____ E
 - b. _____: Break down E from _____ molecules
 - 1. Found in _____ vents on ocean floor and in _____ hot springs
 - c. _____ are _____ that rely on other organisms
 - 1. _____
 - 2. Carnivores
 - 3. _____
 - 4. _____

III. Feeding Relationships

- A. Energy flows in 1 direction: _____ → autotrophs → _____
 - 1. _____ is the transfer of energy by eating and by being eaten
- B. _____ link all the food chains in an _____ together
 - Each step in a _____ are called a _____
 - 1st level: _____
 - 2nd or higher is the _____

IV. Role of the climate

- A. _____ is the year-after-year conditions of a _____
 - 1. Earth has _____ main _____
 - A. _____ zone: sits between _____ and _____ zone
 - Climate ranges from _____ to _____
 - _____ causes light to be _____ and _____ at times
 - B. _____ Zone: near the _____.
 - _____ is more _____
 - Warm year around
 - C. _____ Zone: Areas around the _____ and _____ poles
 - Sun light strikes at a _____ angle

V. What shapes an Ecosystem

- A. _____: Conditions in which an _____ lives and the way an _____ uses those conditions
 - 1. For EX:
 - Place in _____
 - _____ needed to survive
- _____ Example:
 - Bull frogs eats _____, _____, small fish, or even _____
 - _____ like herons, raccoons, snakes prey on _____
 - Must live by _____ and body temp is _____ by the surrounding water.
 - _____ in the mud during winter
 - No _____ species share the same _____

VI. Community Interactions

- A. _____ interactions affect an _____
 - 1. _____
 - 2. _____
 - 3. _____
 - _____: Both species benefit
 - _____: One is benefited and the other is unharmed
 - _____: One is benefited and the other is harmed