

I. Ecosystems and Energy Flow

- A. An ecosystem is a community of interacting organisms and their physical environment.
B. Ecosystems require a constant input of energy from either the sun or other sources and a constant flow of organic compounds.

II. Energy flows when organisms

Sun's energy → photosynthesis → glucose

- A. Autotroph =
B. Heterotroph =

III. Trophic Levels (feeding levels)

- A. Producers =
B. Consumers =
 a. Herbivore =
 b. Omnivore =
 c. Carnivore =
 d. Scavenger =

C. Decomposers =

IV. Types of Producers

- A. Photoautotrophs-
B. Chemoautotrophs-
 Examples: Plants, algae some bacteria

V. How are consumers classified?

- A. First Level Consumer - (Herbivores)
 The zebra eats the grass.
B. Second Level Consumer - (Carnivores)
 The lion eats the zebra.
C. Tertiary Consumers - (Carnivores)
 The vulture eats the lion.

*Omnivores can be first, second, or third level consumers.

