
Biology Ch 1

I. Biology

II. Community-

1. Community
2. environment
3. ecosystem

B. Organisms depend on each other

C. The communities there are different organisms that have different roles

1. Producers-

2. Consumer-

a) Herbivore

b) Carnivore

c) Omnivore

d) Symbiosis –

1) Parasitism + -

2) Commensalism + 0

3) Mutualism + +

4) Example:

e) Saprophyte:

f) Decomposer –

III. Food production and energy transfer

A. Energy

B. Food is generally produced by plants through the process of photosynthesis

1. Chlorophyll is needed for photosynthesis

a) The green pigment in plants

2. Photosynthesis produces glucose which is the energy source for most living things

3. The process of consumers using the energy found in glucose is *respiration*

4. Plants are called producers (energy packagers)

C. Food chain

1. A series of producers and consumers that interact in a community

2. The way that energy flows through a community page 15

3. Energy is lost through each step

4. Food pyramid

5. Materials are recycled through a living system of organisms

D. Environment

E. Ecology

IV. Uses of energy in organisms

A. Growth & Development

1. Growth

2. Development –

B. Maintenance and repair

1. Maintenance –

a) Balance of the organism.

b) Homeostasis

2. Repair –

C. Reproduction

D. Organization – orderly function of living things (Result of heredity)
