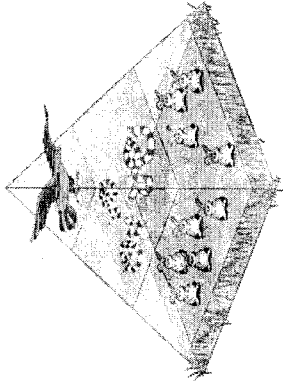
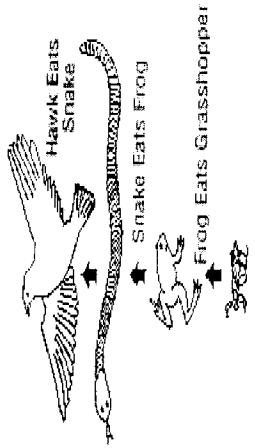


# Food Chain

The path of \_\_\_\_\_ from one feeding level to another and obtains energy.

## Chain reaction



- The first \_\_\_\_\_ in a food chain is always a producer. Can you name three producers?  
\_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- The \_\_\_\_\_ organism feeds on the producer and is called a \_\_\_\_\_-level consumer. The termite is a first level consumer.
- A \_\_\_\_\_-level consumer eats the first-level consumer. So the Woodpecker would eat the termite.

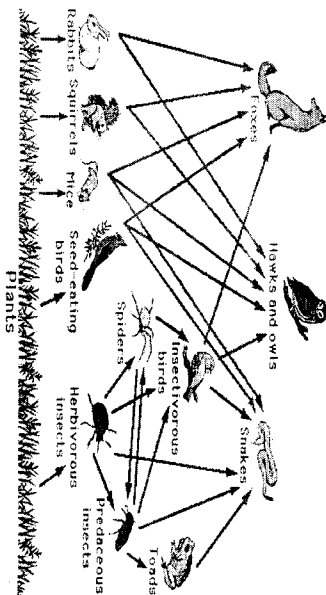
## Flow of Energy

- A **consumer** that eats a **consumer** that already ate a **consumer** is called a \_\_\_\_\_ level consumer or tertiary consumer
- May be a \_\_\_\_\_ or an omnivore
- May be a **predator**
- May be a \_\_\_\_\_

## Food Web

- All of the food \_\_\_\_\_ in a community linked together;
- Represents the many \_\_\_\_\_ by which energy can flow through an \_\_\_\_\_

The arrows show how the energy flows through the food web! Can you identify the first, second, and third level consumers?



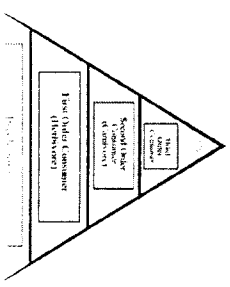
Energy Pyramids: Another way of showing the transfer of energy

- When \_\_\_\_\_ in an ecosystem eats, it obtains energy. The organism uses this \_\_\_\_\_ to move, grow, reproduce, and carry out other life activities. This means that only \_\_\_\_\_ of the energy it obtains will be available to the next organism in a food web.
- The energy pyramid above shows the amount of energy that moves from one feeding level to the next. The

*energy is available at the producer level of the pyramid. As you move up the pyramid, each level has \_\_\_\_\_ energy available than the level below.*

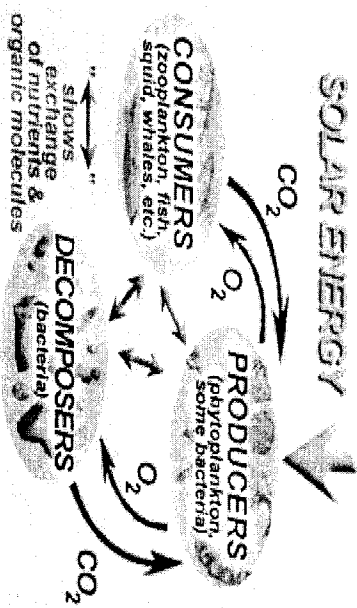
## Energy Pyramids

- Only about \_\_\_\_\_ percent of the energy at one level of a food web is transferred to the next higher lever. The other 90 percent of energy is \_\_\_\_\_



by the organisms life or is \_\_\_\_\_ by heat. As a result, there is not enough energy to support many feeding levels in an ecosystem.

- Since so much energy is \_\_\_\_\_ at each level, the amount of energy available at the producer level \_\_\_\_\_ the number of consumers that the ecosystem is able to \_\_\_\_\_. As a result, there are usually \_\_\_\_\_ organisms at the highest level in a food web.



Where Did Your Dinner Come From?

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