

## Energy in Ecosystems

**energy** = fuel to grow, change, and do work

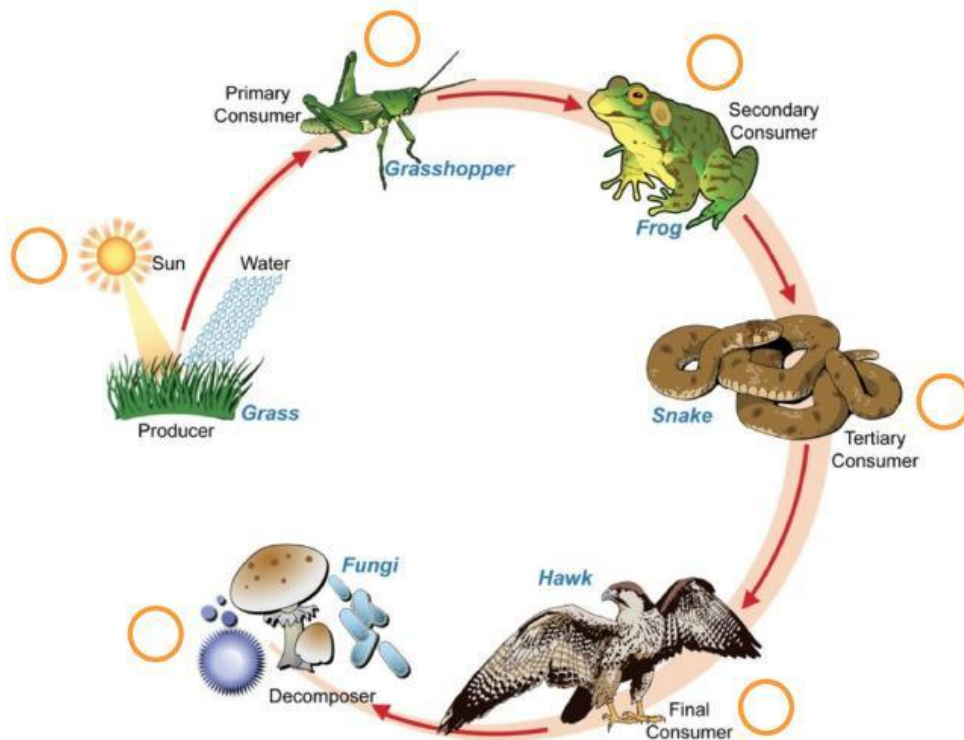
**ecosystem** = place where biotic and abiotic things work together to keep that place healthy

All energy **starts** from the sun. ☀

All energy moves in **one direction**: away from the sun. →

Look at this **diagram**.

**diagram** = way of explaining something by using pictures



Number (in the circles) the steps in the energy flow (movement.)

- 1) The sun gives energy to plants. Plants make their own food. **These are pro**\_\_\_\_\_.
- 2) Plants are eaten by animals that only eat plants. **These are** \_\_\_\_\_.
- 3) Plant-eaters are eaten by small animals that eat meat. These are \_\_\_\_\_.
- 4) Those animals are eaten by large meat-eaters. **These are** \_\_\_\_\_.
- 5) The large meat-eaters are eaten by even larger meat-eaters. These are \_\_\_\_\_.
- 6) The largest meat-eaters die. Bacteria and fungi break their bodies into **soil**.

**These are** \_\_\_\_\_.

**soil** = brown stuff that covers the earth

The way energy flows or moves is also called a **food chain**.

consumer = anything that eats

primary = 1

secondary = 2

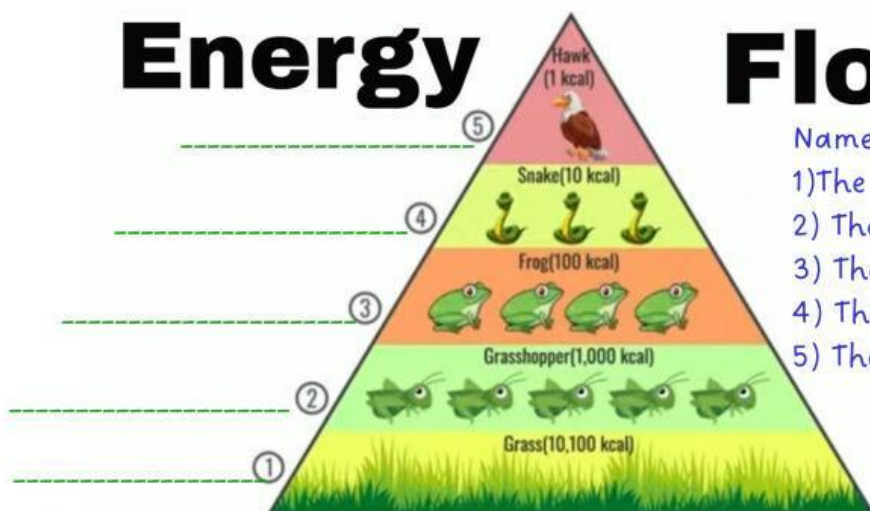
tertiary = 3

produce = make

Label the levels in this diagram, ex. tertiary consumers.

# Energy

# Flow



Name the animals in the energy flow.

1) The sun gives energy to the grass.

2) The \_\_\_\_\_ eat the \_\_\_\_\_.

3) The \_\_\_\_\_ eat the \_\_\_\_\_.

4) The \_\_\_\_\_ eat the \_\_\_\_\_.

5) The \_\_\_\_\_ eat the \_\_\_\_\_.

Look at this ecosystem.



How does the energy flow?

