

Energy in Ecosystems

energy = fuel to grow, change, and do work

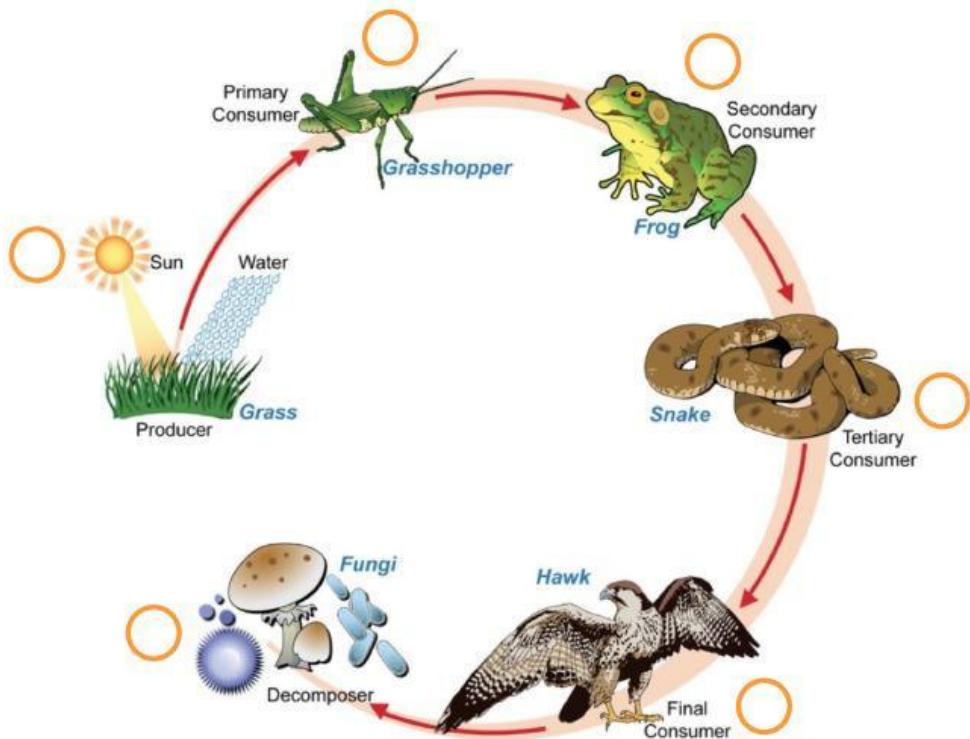
ecosystem = place where biotic and abiotic things work together to keep that place healthy

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.)

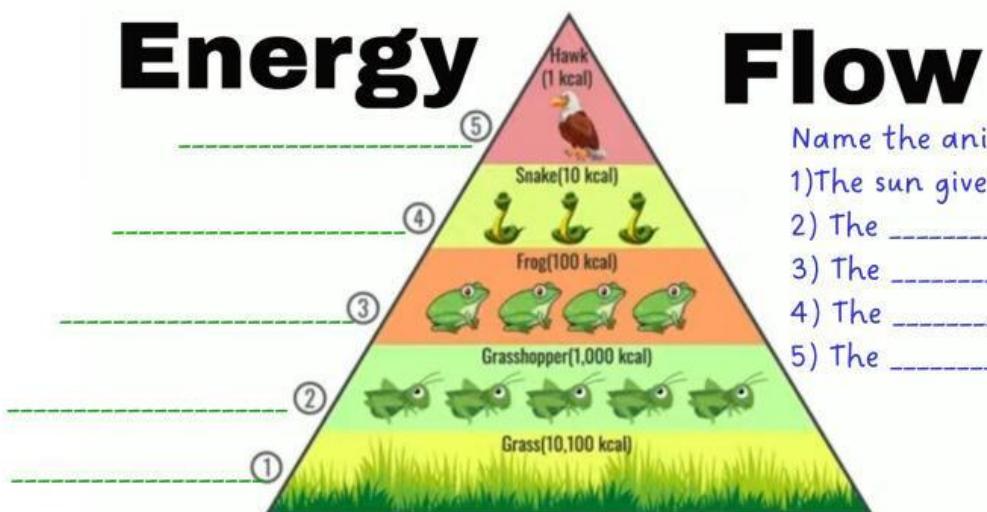
- 1) The sun gives energy to plants. Plants make their own food. These are pro_____.
- 2) Plants are eaten by animals that only eat plants. These are _____.
- 3) Plant-eaters are eaten by small animals that eat meat. These are _____.
- 4) Those animals are eaten by large meat-eaters. These are _____.
- 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.



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?

