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How Organisms Interact

Food Chains

- ◆ A **food chain** is a model that shows how energy stored in food passes from one organism to the next.



Food Chains

the food chain game



Instructions: Drag the parts of the food chain to their correct place.

(If you drag something incorrectly, it won't stay there).

Visit the food chain pages to get ready or if you need help!

When the chain is complete, it will come to life and you can watch the food chain in action!



Play the game!

Energy Flow

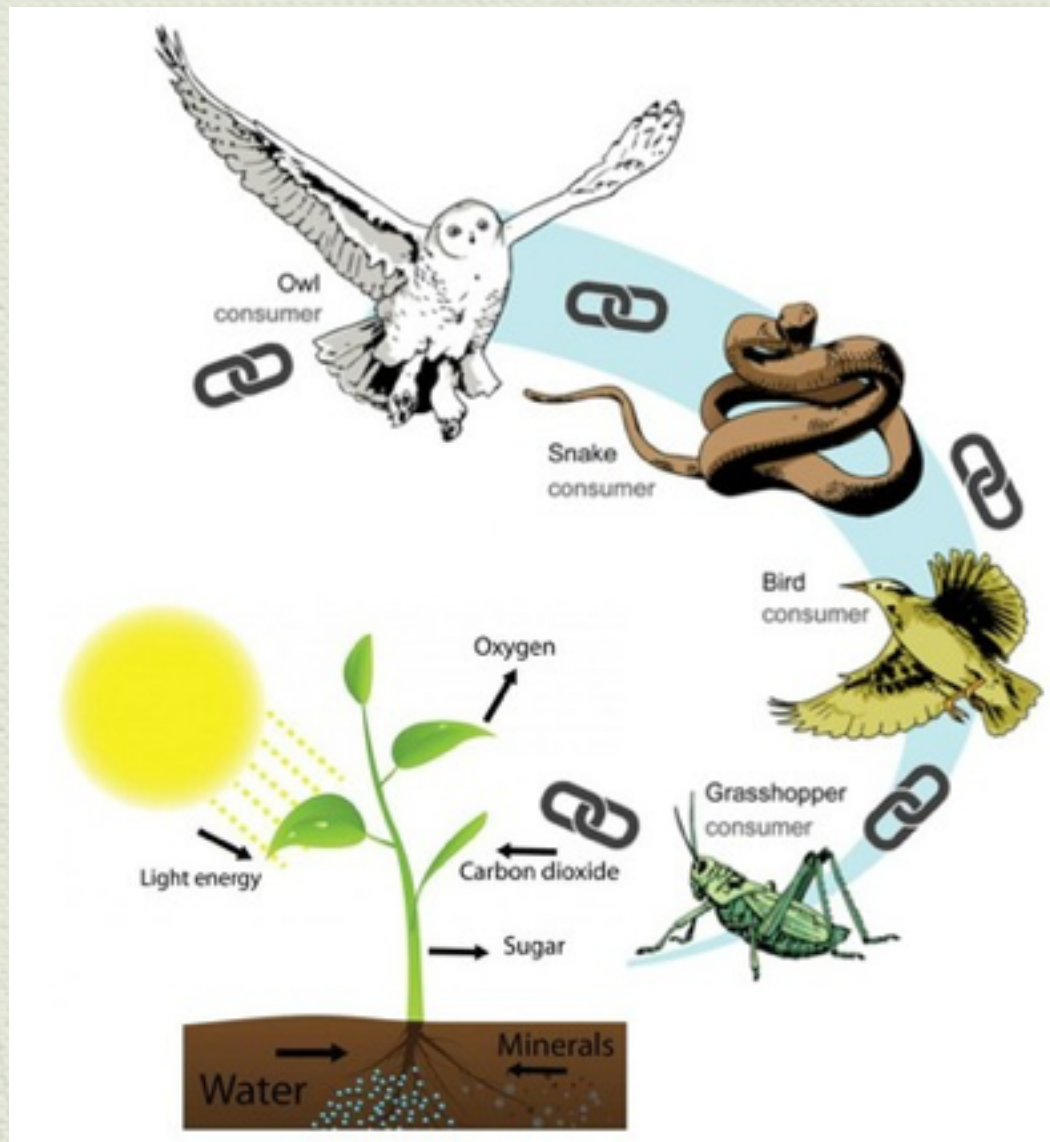
- ◆ Energy flow is the movement of energy that starts from the sun. It passes energy from one organism to the next.



The Role of Organisms

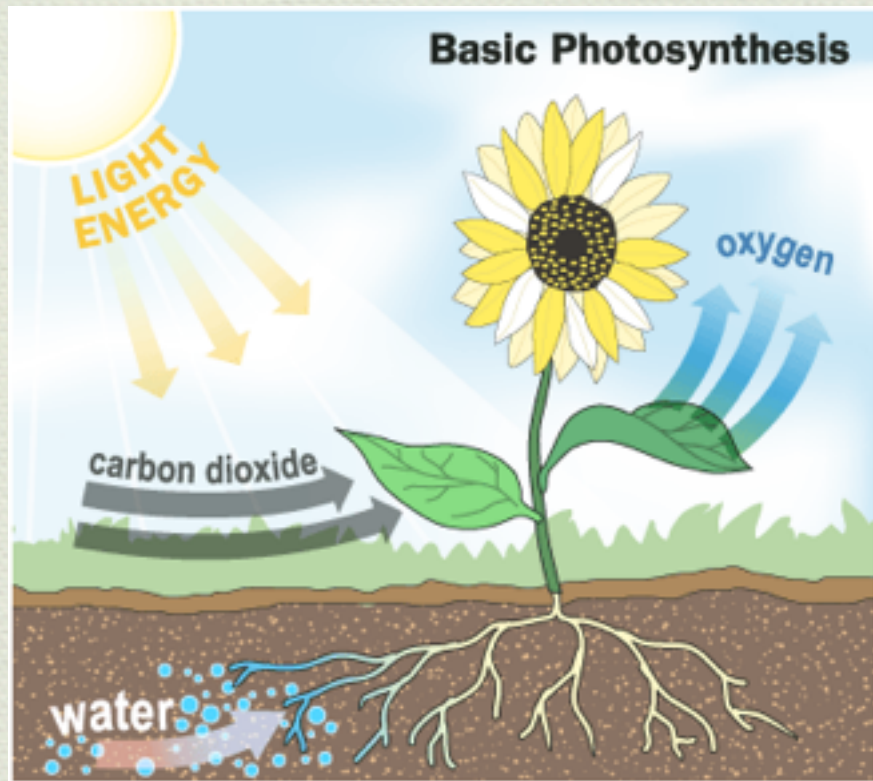


The Role of Organisms



- ❖ Producers produce food for themselves and others. They use the Sun's energy to grow.
- ❖ Every food chain begins with a producer!

The Role of Organisms

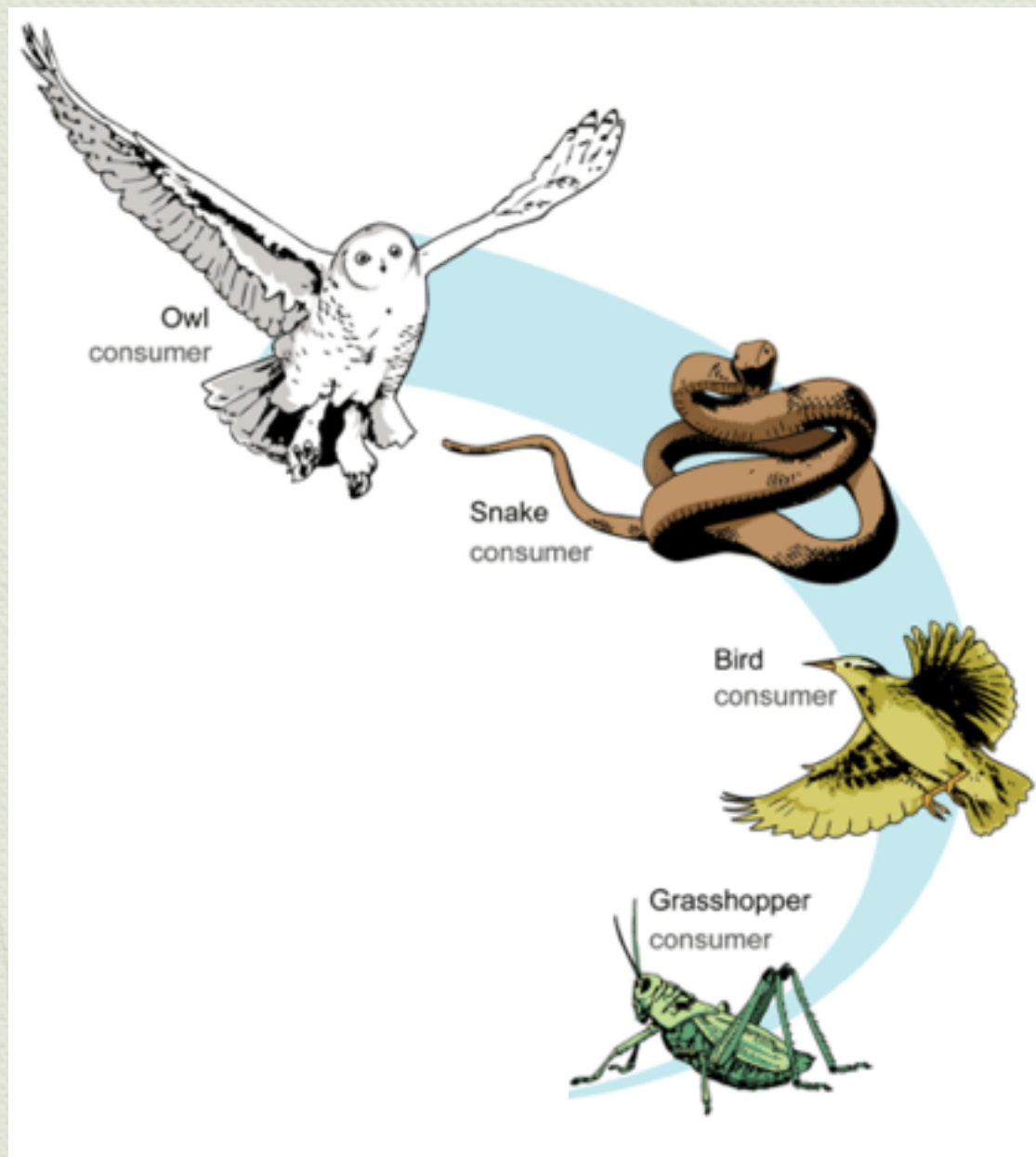


◆ Examples:

- ◆ Green plants and algae are producers. They make their own food using the Sun's energy, water and carbon dioxide.

◆ Photosynthesis is the process by which green plants make their own food!

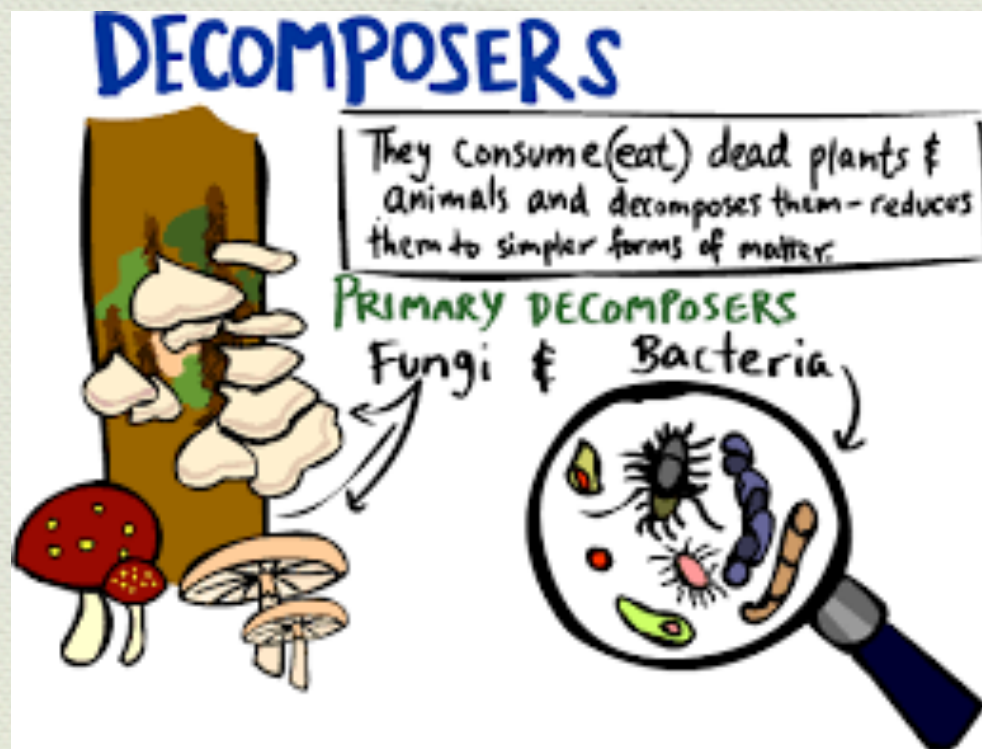
The Role of Organisms



- ❖ Consumers eat the food made by producers.
- ❖ Plant-eating animals are called **herbivores**.
- ❖ Meat-eating animals are called **carnivores**.
- ❖ **Omnivores** are consumers that eat both plants and animals.

The Role of Organisms

- ❖ Decomposers are organisms that break down dead material. They recycle nutrients back into the ecosystem.



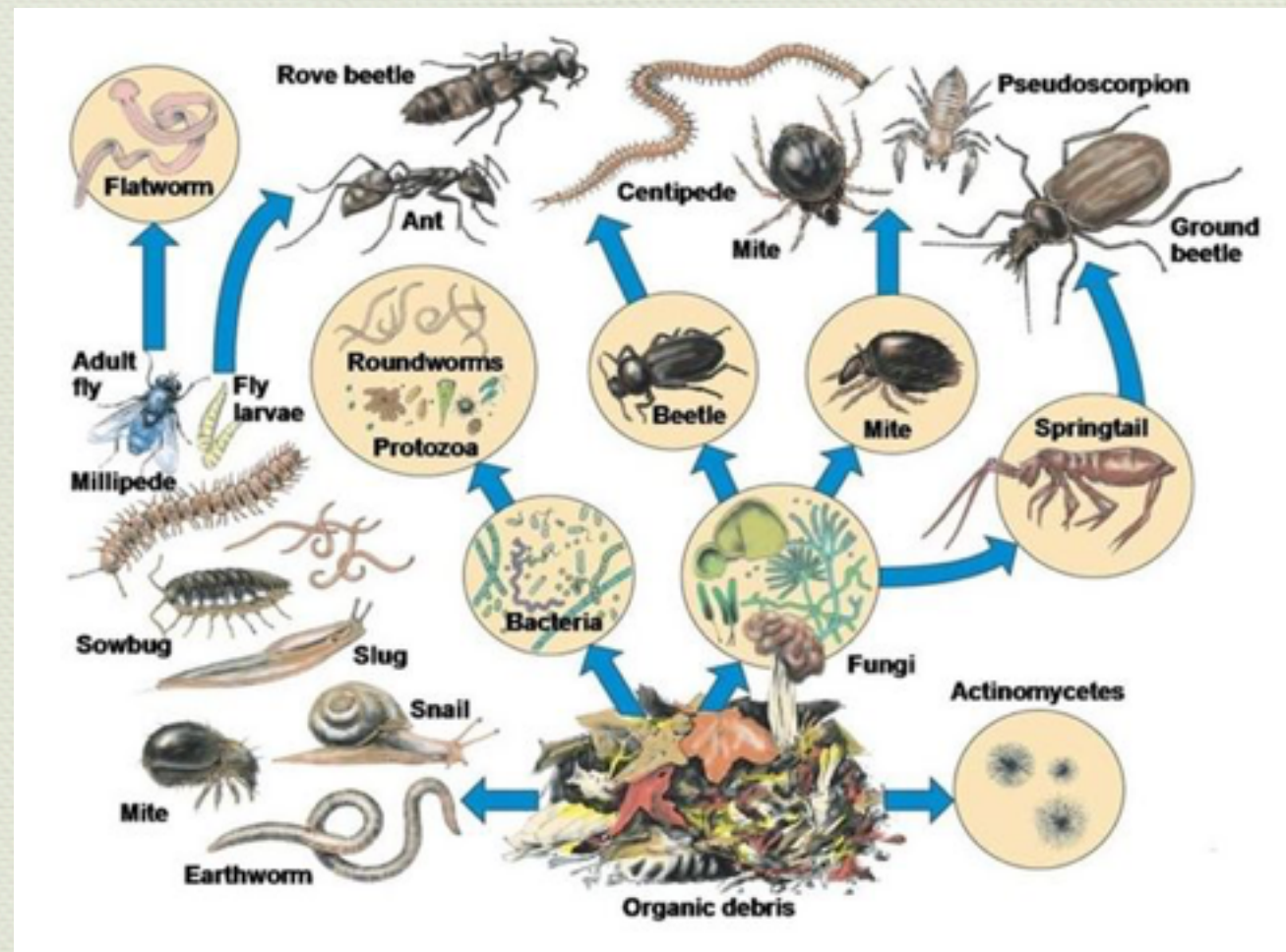
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The Role of Organisms

◆ Decomposers are created when there is:

- ◆ Warmth
- ◆ Lots of air and food
- ◆ Moisture
- ◆ Darkness



https://msnucleus.org/membership/ngss/fourth_ngss/04food_chain_decomposers.html