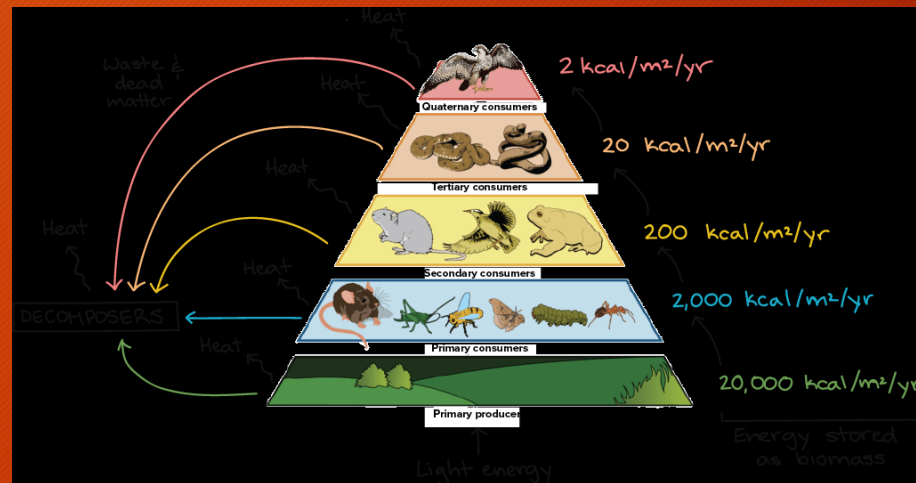




Energy



Question

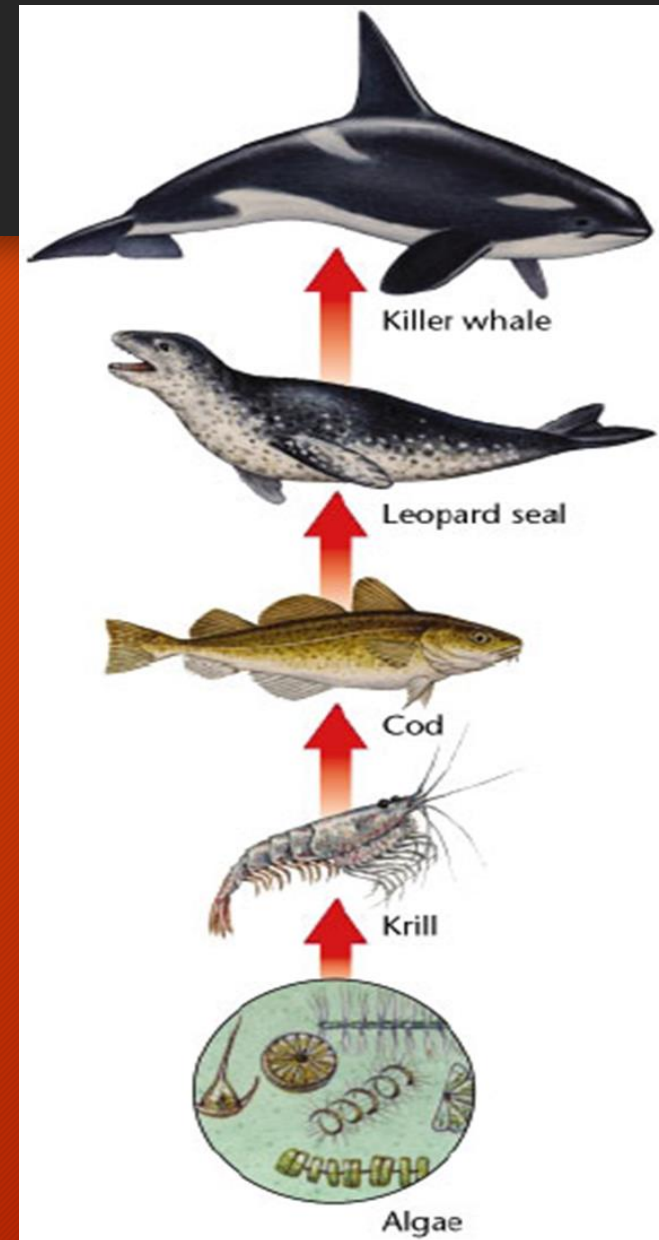
- What is a producer?

- What is a consumer?



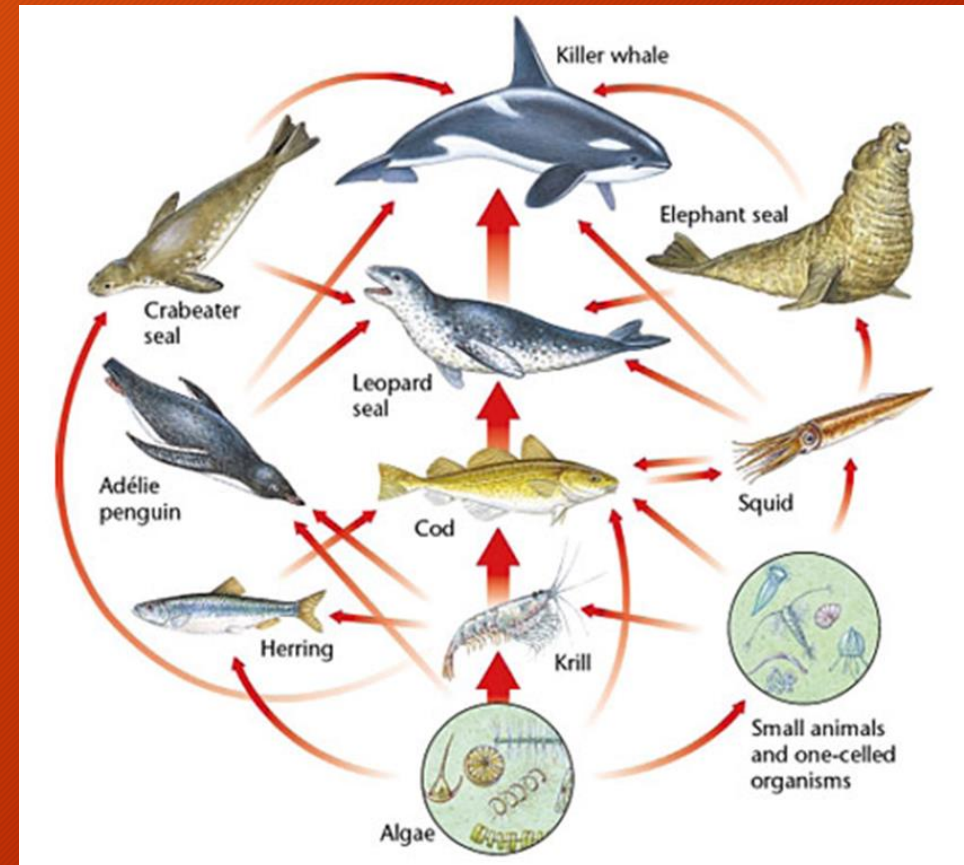
Food Chains

- A food chain is a sequence in which energy is transferred from one organism to the next as each organism eats another organism
- The arrows represent the transfer of energy
- Draw an example of a food chain



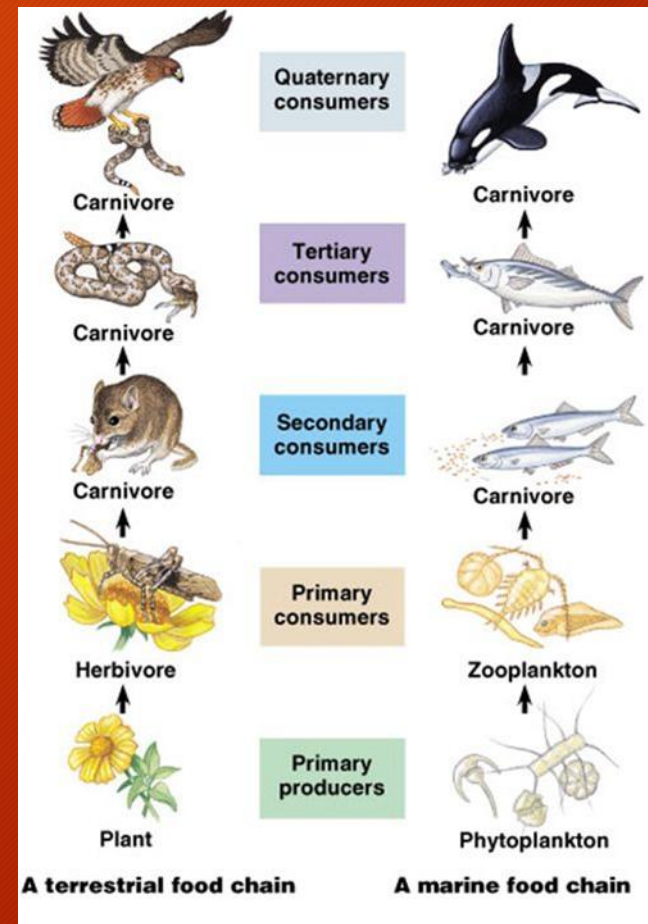
Food Webs

- Ecosystems, however, usually contain more than one food chain.
- A food web shows many feeding relationships that are possible in an ecosystem.



Trophic Levels

- Each step in the transfer of energy through a food chain or food web is known as a trophic level.
- Each time energy is transferred, some of the energy is lost as heat. Only 10% of the available energy is transferred.
- Therefore, less energy is available to organisms at higher trophic levels.
- Energy loss affects the number of organisms at each level.



Energy Pyramid

- Producers form the base of the pyramid.
- The pyramid becomes smaller toward the top, where less energy is available.

