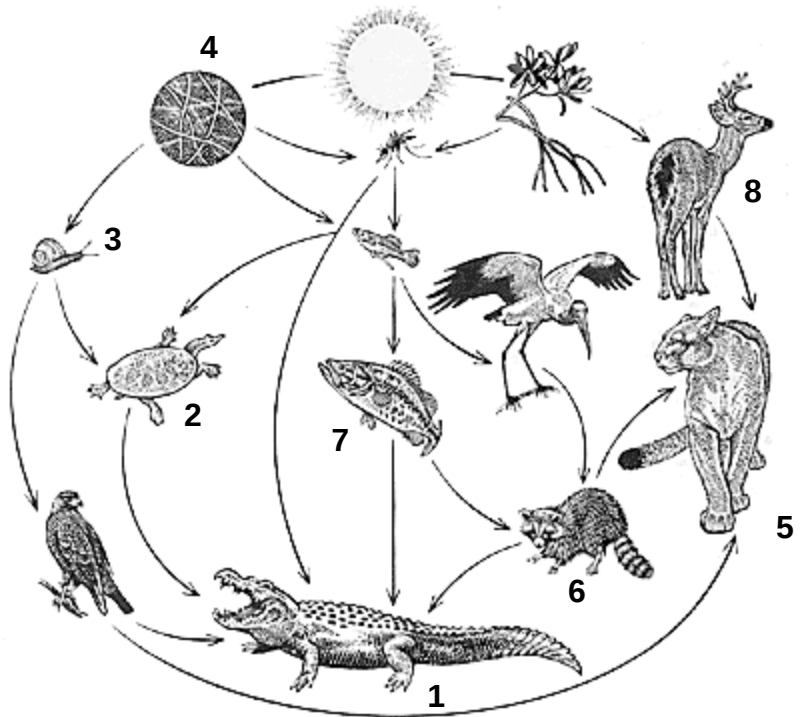


Tropic Levels – Food Webs – Bioaccumulation Quiz

Name _____

Below is a food web. Give the **name** and **shortest trophic level** for each organism

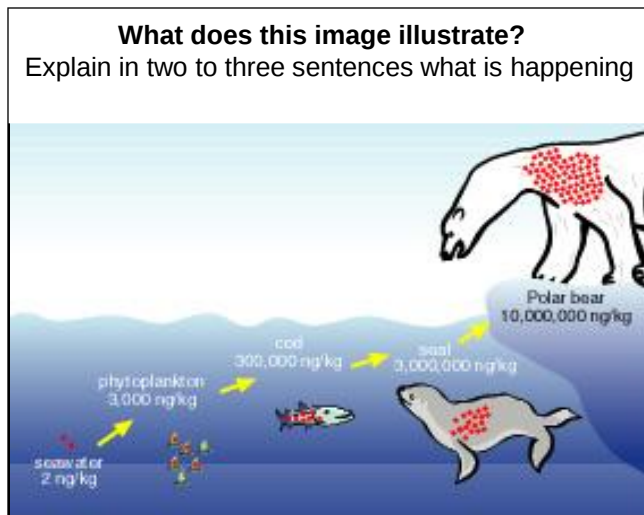
- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)



Determine whether the following organisms are **Herbivores**, **Carnivores**, **Omnivores**, or if they are **Detritivores** (are they **scavengers** or **decomposers**).

- i) Deer
- ii) Octopus
- iii) Coyote
- iv) House fly
- v) Slime mold
- vi) Lizard
- vii) Turkey vultures
- viii) Hummingbird
- ix) Mouse
- x) Humpback whales

- 9) How much energy is generally lost at each trophic level?
- 10) How much of that lost energy is waste matter that was not digested?
- 11) Does that energy disappear from the ecosystem forever? If not, how is it used?
- 12) What happens to the lost energy that was digested and can it be used again?



For each relationship, determine whether it is **mutualistic**, **commensal**, **parasitic**, **parasitoid**, **predatory**, or **herbivory**.

- A) A mosquito releases malaria protists into a bird when it feeds. The malaria multiply rapidly inside the body, often killing the host. Other mosquitoes pick up the malaria from infected birds while they are sick.
- B) A clown fish lives within the tentacles of a sea anemone, immune to the stinging cells and protected from predators.
- C) A bright yellow spider lives within the flower of a dandelion, ready to strike at unsuspecting pollinators.
- D) A hummingbird feeding on nectar of a flower.
- E) A tick sucks blood from a deer before dropping off to lay eggs.
- F) A copepod uses its legs to generate a current that sweeps algae into its mouth.