Name _____ Date _____ Period _____

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Producers, Consumers, and Food Webs

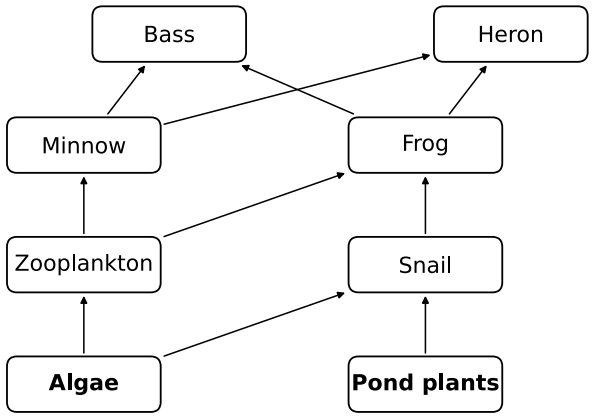
Biology

Answer in complete sentences. Use the food web and graphs as evidence.

1. Classify each organism.

Organism	**Producer, herbivore, carnivore, omnivore, or decomposer?**
(a) A mushroom growing on a fallen log	
(b) A black bear that eats berries, fish, and insects	
(c) Bacteria at a deep-sea vent that make food from chemicals	

2. Use the pond food web.



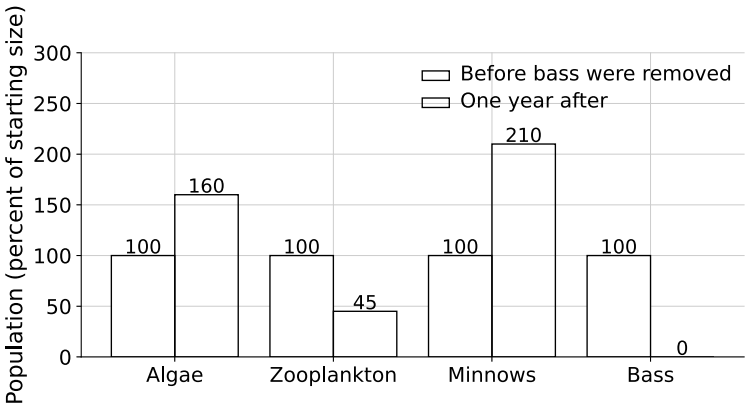
(a) Write one food chain with at least four organisms.

(b) The heron eats minnows and frogs. What trophic level is the heron?

(c) What group of organisms is missing from this web? What is its role?

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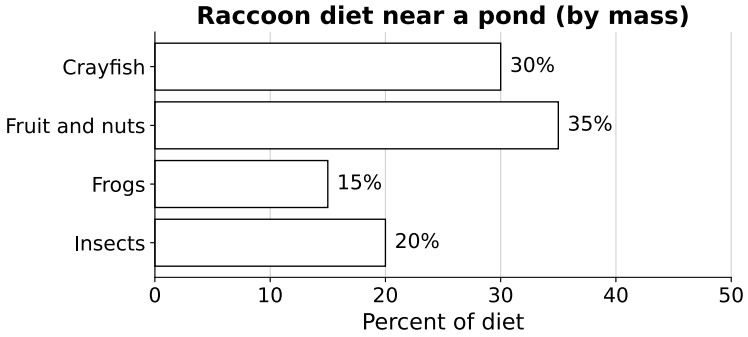
3. People removed all the bass from the pond. The graph shows populations one year later.



(a) Why did the minnows increase?

(b) Explain why zooplankton decreased but algae increased.

4. Use the raccoon diet graph. Is the raccoon a herbivore, carnivore, or omnivore? What percent of its diet is animals?



5. Explain the difference between how energy and matter move through a food web.

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