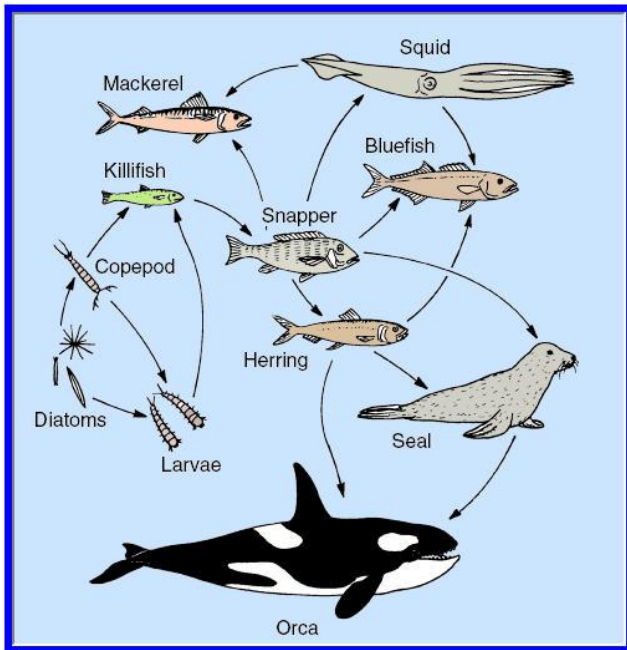


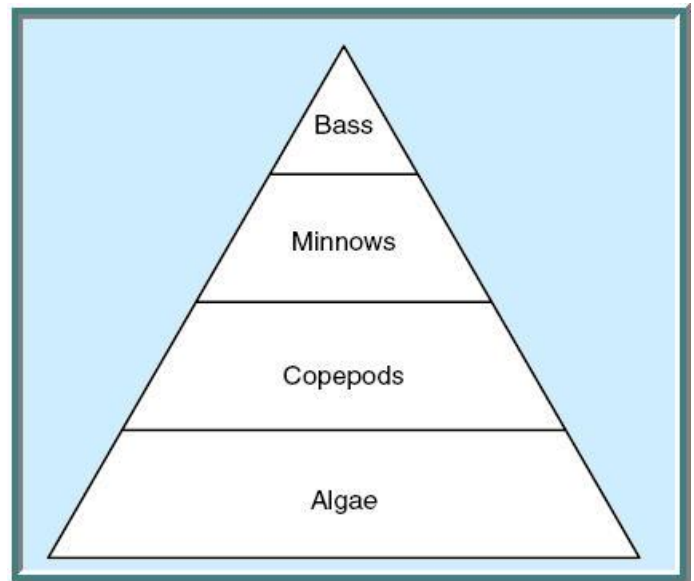
Name \_\_\_\_\_ Date \_\_\_\_\_

BIO SOL Review 8 - Energy - Food Webs (8)

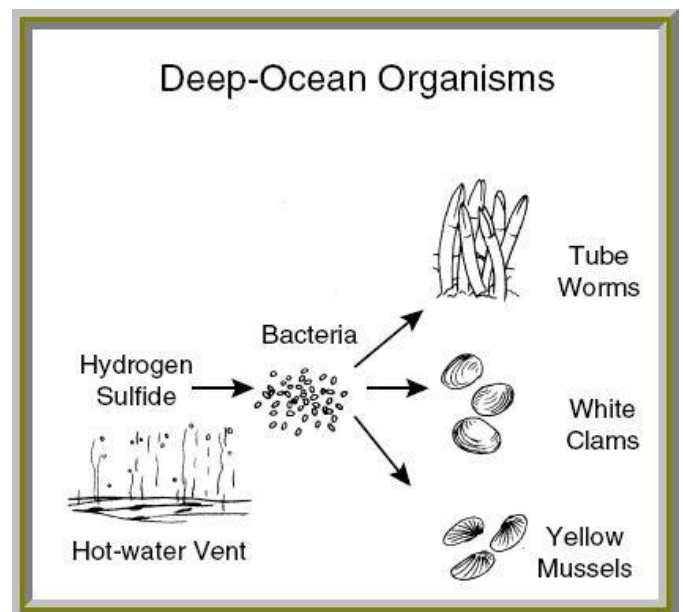
1. (2006-25) A mushroom and a humpback whale are alike because both are —
- a. motile
  - b. prokaryotic
  - c. unicellular
  - d. **heterotrophic**



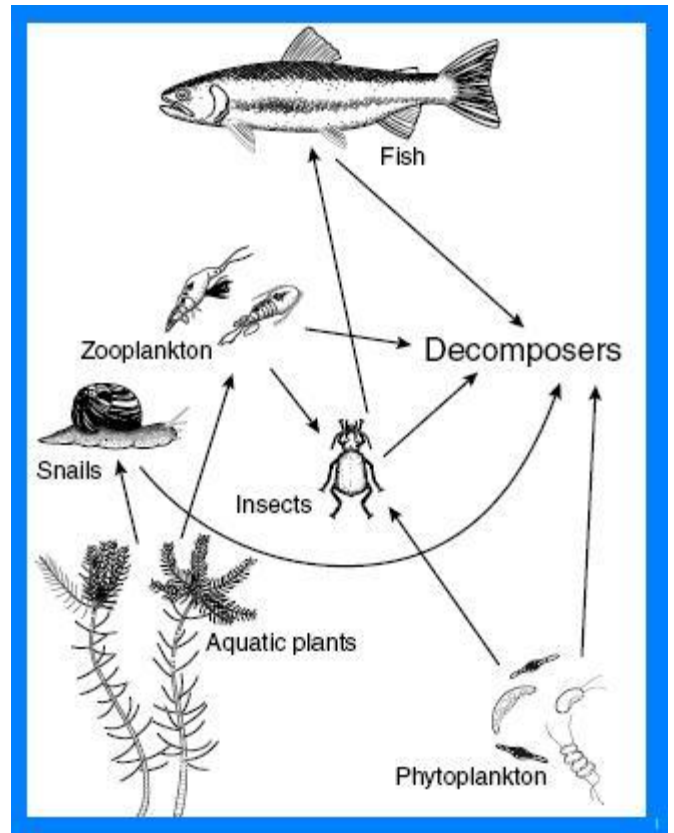
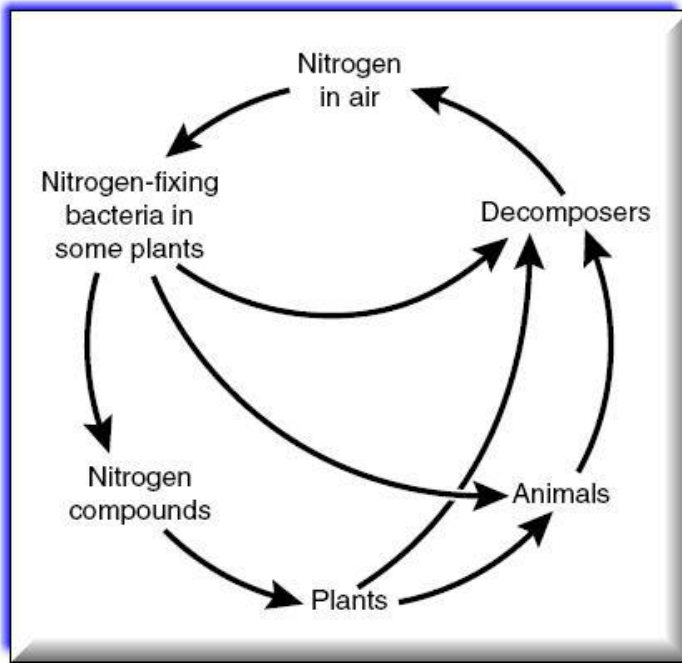
2. (2006-48) In the diagram, which organism provides nutrients for the largest number of other organisms?
- a. Bluefish
  - b. Seal
  - c. **Snapper**
  - d. Herring
3. (2004-20) Based on the method by which they get food, organisms are classified as autotrophs or heterotrophs. Which organism listed below is correctly paired with its metabolism?
- a. **Human-heterotroph**
  - b. Fish-autotroph
  - c. Grass-heterotroph
  - d. Mushroom-autotroph



4. (2001-36) Which level of this food pyramid represents the largest biomass?
- a. Bass
  - b. **Algae**
  - c. Minnows
  - d. Copepods



5. (2002-29) Around hot-water vents deep in the ocean live specialized communities. Bacteria turn hydrogen sulfide into sugars by a chemical process. The bacteria then provide food to other life forms, as shown in the diagram. Compared to food chains on land, the bacteria fill the same role as —
- a. mushrooms
  - b. hawks
  - c. **green plants**
  - d. rabbits



6. (2002-27) Which of these is a decomposer in a Virginia forest?
- A pine tree
  - A dandelion
  - A mushroom**
  - A caterpillar
7. (2003-34) Which is required by all living things?
- Oxygen
  - Energy**
  - Mobility
  - Carbon dioxide

8. (2003-37) Energy is transferred from insects to fish in this system by —
- decaying processes
  - radiation
  - water
  - food consumption**