

Fishes, Amphibians, and Reptiles ▪ *Guided Reading and Study*

Fishes

This section describes the three groups of fishes, how fishes use their gills to get oxygen, and how people use fish.

Use Target Reading Skills

Before you read, preview the diagram of a bony fish in your textbook. Then write two questions that you have about the diagram in the graphic organizer below. As you read, answer your questions.

Structure of a Fish

| |
|-----------------------------------|
| Q. What is a swim bladder? |
| A. |
| Q. |
| A. |

Characteristics of Fishes

1. What is a fish?

2. Circle the letter of each characteristic of fishes.

- a. gills
- b. endotherm
- c. scales
- d. ectotherm

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3. Fishes get oxygen from _____.
4. Most fishes have _____ fertilization; the eggs are fertilized outside of the female's body.
5. Circle the letter of each sentence that is true about fishes.
 - a. Fins help fishes swim by providing a large surface area to push against water.
 - b. Fishes have an open circulatory system.
 - c. Fishes cannot see well in water.
 - d. Fishes have keen senses of touch, smell, and taste to help them catch food.
6. Is the following sentence true or false? No fishes give birth to live young.

Jawless Fishes

7. List three groups of fishes.
 - a. _____
 - b. _____
 - c. _____
8. Circle the letter of each sentence that is true about jawless fishes.
 - a. Jawless fishes do not have scales.
 - b. Jawless fishes have skeletons made of bones.
 - c. Sharks are jawless fishes.
 - d. Some jawless fishes are parasites.

Cartilaginous Fishes

9. The skeletons of cartilaginous fishes are made of _____.
10. Circle the letter of each characteristic of cartilaginous fishes.
 - a. jaws
 - b. skeletons made of cartilage
 - c. scales
 - d. bones

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Fishes *(continued)*

11. Is the following sentence true or false? Cartilaginous fishes are all herbivores. _____

12. How do rays and skates obtain food?

Bony Fishes

Match the parts of bony fishes with their functions.

| Part | Function |
|----------------------|--|
| ___ 13. fins | a. Helps stabilize the fish at different depths in the water |
| ___ 14. scales | b. Cover the body by overlapping each other |
| ___ 15. gill pocket | c. Holds the gills |
| ___ 16. swim bladder | d. Help the fish stay upright in the water |