

Earth: The Water Planet • Guided Reading and Study

Surface Water

River Systems

1. How do rivers begin?

Match the term with its definition.

Term	Definition
____ 2. tributary	a. A river and all its tributaries together
____ 3. river system	b. The land area that supplies water to a river system
____ 4. watershed	c. A smaller stream or river that feeds into a main river
____ 5. divide	d. The ridge that separates one watershed from another

6. The many small streams that come together at the source of a river are called the _____.

7. The broad, flat valley through which a river flows is called the _____. Looping curves in a river formed by erosion and deposition are called _____.

11. When do ponds and lakes form?

12. Circle the letter of each sentence that is true about ponds.

- a. Ponds provide only one type of habitat.
- b. All ponds exist year-round.
- c. Algae are the basic food producers in ponds.
- d. Pond animals include fish.

13. Circle the letter of the sentence that explains why plants grow throughout a pond.

- a. Pond water is shallow.
- b. Animals live throughout a pond.
- c. A pond is muddy on the bottom.
- d. Algae grow in a pond.

14. Is the following sentence true or false? Lakes form in many ways.

15. Circle the letter of the sentence that explains how Lake Victoria in central Africa formed.
- a. A river meander was cut off to form an oxbow lake.
 - b. Movements in Earth's crust created a valley that filled with water.
 - c. Lava from a volcano dammed up a river and formed a lake.
 - d. An empty volcanic crater filled with water.
16. What are ways a lake may be used by people?

17. A lake that stores water for human use is called a(n) _____.

18. Is the following sentence true or false? Wildlife near the shore of a lake are similar to wildlife in a pond. _____
19. Is the following sentence true or false? Compared with the center of a pond, the center of a lake has more organisms.
- _____

How Lakes Can Change

20. Circle the letter of each sentence that is true about lake turnover.
- a. It occurs in cool northern areas of North America.
 - b. It happens each year.
 - c. It occurs in the summer.
 - d. It causes nutrients to rise from the bottom to the surface.
21. Circle the letter of each sentence that is true about eutrophication.
- a. It happens over a long period of time.
 - b. It prevents algae from growing in a lake.
 - c. It is a process of using up nutrients in a lake.
 - d. It keeps lake water clear.