

2019 POST- test

Elementary / Middle

Station Rotation

Name (optional) _____

Today's Date _____

School _____

Grade _____

Class _____

Teacher _____

Was this your first time participating in this river research cruise with us? Yes No (Circle One)

Please list 3 words that come in your mind when you hear the phrase “Ohio River”.

1. _____
2. _____
3. _____

1. Ohio River is more polluted now than it was 50 years ago.

- a) True
- b) False

2. What is a **watershed**?

- a) A large tower where drinking water is stored.
- b) The amount of water in a lake.
- c) The total area of land that drains into a river, lake, stream, or other water body.
- d) The amount of rain that falls on a piece of land each year.

3. What is the definition **non-point source** pollution?

- a) Pollution that is harmless.
- b) Pollution that cannot be tracked to a specific source or location.
- c) Pollution coming out of a factory pipe.
- d) None of the above categories are correct.

4. When rain washes motor oil on a street into a storm drain, where will it most likely end up?

- a) At a sewage treatment plant.
- b) In a nearby river, lake, or stream.
- c) At a motor oil recycling facility.
- d) The oil will not end up at a), b), or c).

5. What is the single greatest pollutant in the Ohio River?

- a) Sediment (dirt!)
- b) Oil
- c) Litter
- d) Sewage

6. Which of the following activities can make our streams, lakes and rivers cleaner?

- a) Planting trees.
- b) Picking up trash in your neighborhood.
- c) Spraying fertilizer on your lawn right before it rains.
- d) Options a) and b) can make our streams, lakes and rivers cleaner.

7. Which of the following water quality conditions could harm or kill fish?

- a) A neutral pH. (pH = 7)
- b) A dissolved oxygen concentration that is less than 2.
- c) A water temperature of more than 80° F (27° Celsius).
- d) Options b) and c) could harm or kill fish.

8. What is the definition of turbidity?
 - a) How fast water flows.
 - b) The measurement of how cloudy or clear a water sample is.
 - c) How hot or cold the water is.
 - d) The volume of the water in a sample bottle.

9. Select the best definition of aquatic macroinvertebrate from the options below.
 - a) A tiny organism that uses webs to catch prey.
 - b) An organism that lives on land and has a backbone.
 - c) A bird that eats tiny organisms that live in the water.
 - d) An organism that lives in the water, does not have a backbone, and can be seen without a microscope.

10. In a stream you find many different types of macroinvertebrates that are considered sensitive to pollution. What does this tell you about the stream?
 - a) The water quality is probably good.
 - b) The water quality is probably poor.
 - c) The water may be polluted with human sewage and motor oil.
 - d) Options b) and c) may both be true.

11. What are some adaptations of fish that can live in turbid waters?
 - a) Secreting mucus on their gills to keep sediment from clogging them up.
 - b) Having barbels/whiskers to help them find food.
 - c) Make drumming noises so they can find mates.
 - d) Options a), b) and c) are all adaptations of fish that can live in turbid waters.

12. Phytoplankton includes organisms that:
 - a. Use sunlight to make their food.
 - b. Provide food to some aquatic organisms including fish.
 - c. Are small aquatic insects.
 - d. Options a) and b) are both true.

13. Which of the following is NOT true of the Ohio River?
 - a) The Ohio River is 981 miles long.
 - b) The Ohio River is formed by the confluence of the Allegheny and Monongahela Rivers at Pittsburg, PA.
 - c) Only 13 species of fish exist in the Ohio River.
 - d) The Ohio River flows through six states.

A Public Service Announcement (PSA) is a short message online, on TV or radio that raises awareness about an issue.

Write brief PSA or slogan about something(s) people can do to protect the Ohio River.

(Continue on Back if Needed)