River <u>REACH</u> Program

"Rate Your River"

2021 POST- test	High School	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. <u>Ohio River is more polluted now than it was 50 years ago.</u>
   a) True
   b) False

2. <u>What is a **watershed**?</u>
   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. <u>What is the definition **non-point source** pollution?</u>
   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. <u>When rain washes motor oil on a street into a storm drain, where will it most likely end up?</u>
   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. <u>What is the single greatest pollutant in the Ohio River?</u>
   a) Sediment (dirt!)
   b) Oil
   c) Litter
   d) Sewage

6. <u>Which of the following activities can make our streams, lakes and rivers cleaner?</u>
   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. <u>Which of the following water quality conditions could harm or kill fish?</u>
   a) A neutral pH.
   b) A dissolved oxygen concentration that is less than 2.
   c) A water temperature of more than 77˚ F (25˚ 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. Which of the following metric indicates healthy water?
a) A high number of non-native species.
b) A low number of DELTS (Deformities, Erosions, Lesions & Tumors).
c) The absence of Piscivores.
d) The lack of species diversity.

12. Algal blooms can kill fish and other aquatic organisms. What pollutants are most likely to cause blooms when washed into our waterways?
a. Fertilizers from lawns and farms.
b. Animal waste such as cow manure or dog poop.
c. Old tires dumped into the river.
d. Options a) and b) could contribute to blooms.

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.

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(Continue on Back if Needed)