

Watershed Watch Worksheet 2021

Name: _____ Date: _____ Class: _____

Watch the 4 Watershed Watch videos to answer the questions in this worksheet. This information will help you prepare for participation in Watershed Watch.

Links to the videos:

[Intro](#)

[Physical Parameters](#)

[Biological Parameters](#)

[Chemical Parameters](#)

Questions

1. What are the three parameters you will be testing during Watershed Watch?

1. Physical

2. Biological

3. Chemical

2. The water in the Boise River is used for recreation, irrigation, energy production, wildlife habitat

3. Circle the Physical parameters that water quality scientists' test: (circle all that apply)

Temperature

Width of the Water Body

Turbidity

Weather

4. What living organisms need cold, clear water? Trout

5. What does the clarity of the water indicate?

Cleaner water tends to have a lower turbidity or a higher level of clarity. However, clear water isn't always healthy water since there can be chemicals that we cannot see.

6. Turbidity (cloudiness of water) is measured using what tool? (circle one)

a. Thermometer

b. Secchi Disk

c. Anemometer

7. Circle the Chemical parameters that water quality scientists test: (circle all that apply)

pH

Dissolved Oxygen

Nitrates

Phosphates

8. pH is the measure of...

a. acidity

b. alkalinity

c. both a and b

9. Warm or Cold water has more oxygen.

(circle one)

10. Two nutrients that scientists measure when testing water quality are
 Nitrates and Phosphates .

11. What do we call the indicator organisms that water quality scientist look for?

- a. Microorganisms
- b. Macroorganisms
- c. Macroinvertebrates

12. What are two ways to collect the bugs that live in the water?

- a. Using nets
- b. Picking up rocks

13. What indicates that the water is healthy?

- a. The presence of pollution tolerant macroinvertebrates
- b. The presence of pollution intolerant macroinvertebrates
- c. The presence of fish and other aquatic animals
- d. Both b and c