**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](https://youtu.be/tXmvj5s3erE)

[Physical Parameters](https://youtu.be/FYAMLlmyFT4)

[Biological Parameters](https://youtu.be/XUzQ3IXwbsE)

[Chemical Parameters](https://youtu.be/whaknJS8DrQ)

**Questions**

1. What are the three parameters you will be testing during Watershed Watch?
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The water in the Boise River is used for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Circle the Physical parameters that water quality scientists’ test: (circle all that apply)

Temperature Width of the Water Body

Turbidity Weather

1. What living organisms need cold, clear water? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. What does the clarity of the water indicate?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Turbidity (cloudiness of water) is measured using what tool? (circle one)
   1. Thermometer
   2. Secchi Disk
   3. Anemometer
2. Circle the Chemical parameters that water quality scientists test: (circle all that apply)

pH Dissolved Oxygen

Nitrates Phosphates

1. pH is the measure of…
   1. acidity
   2. alkalinity
   3. both a and b
2. Warm or Cold water has more oxygen.

(circle one)

1. Two nutrients that scientists measure when testing water quality are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. What do we call the indicator organisms that water quality scientist look for?
   1. Microorganisms
   2. Macroorganisms
   3. Macroinvertebrates
3. What are two ways to collect the bugs that live in the water?
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What indicates that the water is healthy?
   1. The presence of pollution tolerant macroinvertebrates
   2. The presence of pollution intolerant macroinvertebrates
   3. The presence of fish and other aquatic animals
   4. Both b and c