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