

Macroinvertebrate & Water Quality Review

Class: _____

Name _____

CAM 7 Science

Date _____

1. What is a **watershed**?
2. Why do we need to monitor the water in streams?
3. What is **pollution**? What is **non-point pollution**?
4. What is the **riparian zone**?
5. What are some physical parameters measured during stream monitoring?
6. What is **canopy cover** and why is it important?
7. Why is water temperature important?
8. What is **turbidity** and why is it important?
9. What are some chemical tests done during stream monitoring?
10. What is **DO** and why is it important?
11. How does oxygen get into the water?
12. What is **pH**? (What does it measure?) What is neutral on the pH scale?
13. How do phosphates & nitrates affect streams?
14. What is **biological testing**?
15. What are **benthic macroinvertebrates**?
16. What part of a stream do we use for collecting macros? Why?
17. What are the three groups (orders) of insects that are considered indicators of good water quality?
18. What are the three body parts of insects? How many legs do insects usually have?
19. What two life cycles might insects experience? Why don't larvae lay eggs?
20. What is FFG? What are the four groups? Give an example for each.

Group	Example

21. Be able to identify the following:

- mayfly larva
- stonefly larva
- caddisfly larva
- crane fly larva
- sowbug
- scud
- blackfly larva
- water boatman
- water beetle (adult & larva)
- midge larva
- water mite
- crayfish
- aquatic earthworm
- flatworm
- snail (right vs. left)
- mussel