

Stream Ecology Pre-test


Name: _____ Date: _____ Per: _____
CB: _____ Score (front page): ____/10

Please write the letter of the correct answer on the line provided.

Part A: Metric Measurement

- _____ 1 meter + 45 centimeters = ?
A. 145 m B. 14.5 m C. 14.5 cm D. 1.45 m
- _____ 3 meters + 78 centimeters = ?
A. 378 cm B. 37.8 m C. 3.78 cm D. 378 m
- _____ You come across a shallow stream while hiking. You can cross it in about 5 big steps. Which of the following measurements could describe the width of this stream?
A. 105 cm B. 18.67 m C. 4.50 m D. 35.30 m
- _____ Which of the following might describe the velocity (speed) of a small stream?
A. 1 cm/sec B. 1 m/sec C. 10 m/sec D. 50 m/sec

Part B: Stream Ecology

- _____ The “riparian zone” is:
A. the gravel areas in a stream where salmon lay their eggs.
B. the mountainous area where a stream starts.
C. the vegetated area alongside a stream
D. the areas where bridges and roads cross over a stream.
- _____ In the upper reaches of a stream, the substrate size is _____ in the lower reaches.
A. larger than B. smaller than C. the same as
- _____ The pH scale measures what aspect of water quality?
A. temperature B. dissolved oxygen C. acid or base D. whitewater
- _____ Identify the stream bug: 
A. Caddisfly B. Stonefly C. Mayfly D. Midge
- _____ An area of land in which all the water drains into one stream is called a:
A. region B. lake district C. watershed D. riparian zone
- _____ You take a sample of bugs from a local stream. You find lots of blackfly and midge larvae, but no stoneflies or mayflies. This stream would be considered to be:
A. Healthy B. Unhealthy

Part C: Personal Opinion

Please use the following number scale to answer the questions:

1=strongly agree 2=agree 3=no opinion 4=disagree 5=strongly disagree

11. _____ Science is a subject in school that interests me.
12. _____ I would consider a career in science or math.
13. _____ I would drive my 4-wheeler through a stream every day, if I could.
14. _____ I would throw a small piece of garbage in a stream, if no garbage can was nearby.
15. _____ I would volunteer one Saturday of work every summer to help keep a local stream healthy.

Part D: Short Answer

Why are macroinvertebrates (bugs) in a stream important to study?

How are salmon an important link in the nutrient cycles of local streams?

What are some functions of the riparian zone?