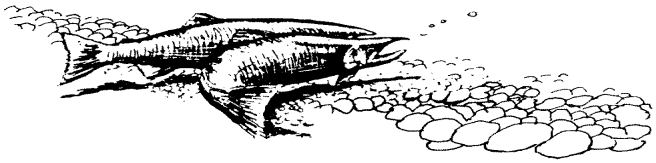
Name _____



Water Quality Monitoring

1- Why is water so important?
- All _____ depends on it.
- Necessary for human _____.
- Water is a (limited/unlimited) resource. (circle one)

2- What is a _____?
- All of the _____ that drains into a common body of _____, including the living and non-living components, it's _____, cultures and traditions.

3- The Nisqually Watershed begins on _____ _____ and ends at the _____ or _____.

4- Nisqually Watershed is part of a larger watershed called the _____ _____.

5- _____ are an important part of our ecosystems, economy, culture and traditions.

6- Which type of pollution is currently a greater threat to water quality? (circle one)

Point pollution Non-point pollution

7- Water Quality Tests

Test	Measures	Optimal Value
Dissolved Oxygen	How much _____ is in the water	> _____ mg/l
Fecal Coliform	How much _____ is in the water from _____	_____ FC/100 ml
pH	How _____ or _____ is the water	_____ - _____ pH units
Biochemical Oxygen Demand	How much _____is being used by _____	_____ mg/l
Temperature	How _____ or _____ is the water	Optimal Values <_____ C
Nitrates	How many _____ are in the water	_____ mg/l
Turbidity	How _____ or _____ is the water	_____JTU's
Total Solids	How much does the 'cloudiness' _____	_____ mg/l

mg/l = milligrams per liter
JTU = Jackson Turbidity Units
FC = Fecal Colonies
ml = milliliter

Choose one of the scenarios: _____ (rapids, urbanization, gardening with chemicals, farm animals, healthy riparian zone, etc. List 3 or more ways this affects water quality?

1. **–**
2. **–**
3. **–**