

## Water Quality Study Guide:

### I. Know:

1. What the big four water quality parameters are.
2. Why Humans care about salmon
3. Why water quality is important to salmon
4. Why salmon are important to water quality
5. What are some thing that can alter water quality
6. Why pH is important
7. Things that affect pH
8. Why dissolved oxygen is important
9. Things that affect dissolve oxygen
10. Why water temperature is important
11. Things that affect temperature
12. Why turbidity is important
13. Things that affect turbidity
14. Why water quality indices are important.
15. How to compare water quality indices
16. How all the big four water quality parameters all play a role in affecting each other and the overall health of bodies of water

### II. Be able to:

1. Distinguish between what makes pH important and what it tell us about water
2. Distinguish between what makes dissolved oxygen important and what it tell us about water
3. Distinguish between what makes temperature important and what it tell us about water
4. Distinguish between what makes turbidity important and what it tell us about water
5. Calculate water quality indices
6. Write a research proposal properly step by step e.g. with the question procedure conclusion etc.