

Water Quality Testing

Directions: Collect the data assigned to you and record in the table below. We will then, as a class, share information with each other to complete our tables. Use the information to answer the questions below.

Water tests

| Test | Headwaters | Downstream |
|--------------|------------|------------|
| PH | | |
| Temperature | | |
| Alkalinity | | |
| Nitrates | | |
| Biotic Index | | |

1. Look at the data we collected from the two places in the stream. Go through each of the 5 tests and compare the results for each test. In which of the tests did water quality decline? Which of them improved?

2. For each of the water quality tests that showed a decrease in quality, what in the environment caused the reduction? Try to list at least one cause for each parameter.

3. What can landowners do, or, what can we do to minimize the negative impact that we have on this particular stream?