

Name: _____

Class: _____

WATER INVESTIGATION

Water quality is vital for sustaining natural ecosystems and ensuring safe drinking water. However various factors, such as pollutants and human activity, can impact the health of local water sources. In this activity, you will examine a specific indicator of water quality from a nearby body of water. By testing and analyzing your results, you'll gain insight into how different environmental and human factors influence the water quality in your area.

Testing Options

You may choose from one of the water quality indicators listed below. Each of these indicators can tell us more about what contributes to the water quality in your area.

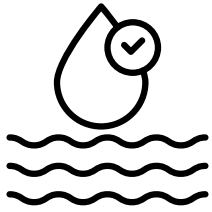
Options:

- Water pH levels
- Water nitrates and phosphate levels
- Heavy metals in water (lead or mercury)
- Dissolved oxygen in water

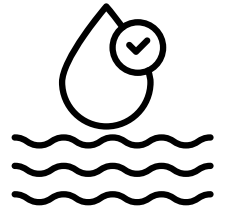


Instructions

1. Gather supplies needed such as your selected testing kit, gloves, notebook, writing utensil.
2. Select a local water source nearby to investigate (creek, river, pond, etc.).
3. Collect your water sample and follow your test kits specific instructions.
4. Record your reading from your test kit, as well as write down observations of your water sample.



ANALYSIS



Name of Indicator:

Measurement Recorded:

--	--

Research how your tested factor indicates good or bad water quality and record below.

What might be causing the levels you observed? Are they due to natural events, human activity, or industry?

Do your results pose a serious threat to water quality or your community?

What are some possible ways to reduce the amount of pollutants?

Brainstorm possible ways to educate the community about sources of water pollutants.