pH Water Quality Tests

Part I:

* Obtain 6 samples of water. These can include samples from around the school, but you have 10 minutes only to retrieve your water samples. They may also include samples from your home or our community at large.
* Using the pH strips, test the pH of each of your samples.

Data Table:

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| --- | --- | --- | --- |
| Where did this sample come from? | pH Level | Basic, Acidic, or Neutral? | What do you see under the microscope?  |
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Questions:

1.) What does pH indicate? Why do we use this as a measure of water quality?

2.) What SHOULD the pH of water be?

3.) Which samples do not have the correct pH?

4.) What can happen to water as it moves from a water treatment plant to alter it’s pH before it is used for human consumption?

5.) What was the most common item that you saw in your water sample? What do you think it was?

6.) What types of things can contaminate water that is used for human consumption (think about our activity from today) and how do humans treat water for these contagions?