**Activity #1**

**Name:**

**High School:**

**HSTA Teacher:**

**Site Location: Give us the name of the body water or the zip code.**

|  |  |  |
| --- | --- | --- |
| **Test Type** | **Color** | **Measurement ppm** |
| **Nitrates** |  |  |
| **Phosphates** |  |  |

1. Why do we measure nitrates in a water system?
2. Nitrate is usually the most important inorganic form of nitrogen in aquatic environments and serves as a nutrient for aquatic plants and algae
3. Nitrite is usually only found in waters with low dissolved oxygen levels
4. Nitrate is a limiting nutrient
5. All of the above
6. Which of the following is a possible result of an imbalance of nitrates in a water system?
7. Eutrophication (or Cultural Eutrophication, which means eutrophication by human activity)
8. Dead zone
9. Both of the above
10. None of the above
11. True or False: The nitrate test kits create a chemical reaction where nitrate in your sample is transformed into nitrite, and a chemical is added to the water sample to react with the nitrite, whose concentration is then measured.