**Engage…Ocean Acidification Wk. # \_\_\_\_\_**

**Ms. Forman**

**8th Grade Science**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ P:\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_**

**Objective:** *Students will be able to explore cause and effect of an increase of CO2 on a body of water.*

**Instructions:**

1. Draw a diagram below of what you see on Ms. Forman’s table. Use COLOR!
2. Watch the demonstration
3. Describe what happened

**1. Diagram:**

|  |  |
| --- | --- |
| **Before:** | **After:** |
| * The candles represent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when they are not lit. * The water represents \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with a \_\_\_\_\_\_\_\_\_\_\_\_\_ pH. | * The candles represent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when they **are** lit. * The water represents \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ with a \_\_\_\_\_\_\_\_\_\_\_\_\_ pH |

**2. Cause and effect…**

|  |  |
| --- | --- |
| Lighting the candles **CAUSED** a release of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dioxide into the enclosed tank. This \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ dioxide was then absorbed into the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. I noticed that the water changed colors from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at the surface. This means that the **EFFECT** of carbon dioxide caused a change in the \_\_\_\_\_\_\_ of the surface water. | |
| **CAUSE:** | **EFFECT:** |
|  |  |