**Activity 2C:** What happens to shells in acidic water?

Names:

Teacher:

Class Period:

Date:

**Materials:**

* 3 Glass/clear containers - Water
* Labels and marker - Salt
* Cup and teaspoon measurements - Vinegar
* Shells
  + ALTERNATIVE: this activity can also be done with chalk. Chalk is made out of calcium carbonate, just like clam shells.

**Instructions:**

1. Label the containers 1, 2, 3, OR Fresh, Salt, Vinegar
2. Container 1: Fill ½ way full of fresh water
3. Container 2: Put 1 cup of water and 1 teaspoon of salt, stir until dissolved
4. Container 3: Fill ½ way full with a 50/50 mixture of water and vinegar

**Experiment:**

1. Make observations of the shells you will place in each jar, note physical characteristics like shape, color, and flexibility. If possible, weigh the shells and take a photograph for the most accurate comparisons
2. Place a shell in each of the jars

**What do you think will happen? Record your hypotheses on the next page.**

|  | **Jar 1: Water** | **Jar 2: Salt Water** | **Jar 3: Water and Vinegar** |
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| **Initial Observations of Shells** |  |  |  |
| **Initial Hypothesis** |  |  |  |
| **Revised Hypothesis** |  |  |  |
| **(Next Class) Shell Observations** |  |  |  |
| **(Next Class) Was your Hypothesis Confirmed?** |  |  |  |