

Name \_\_\_\_\_

## Waste Disposal Lab

### Safety Considerations :

- Please wear goggles and wash your hands following the lab.
- Only handle sodium hydroxide with tweezers

**Purpose:** Explore methods to store hazardous waste in order to keep it out of the environment.

### Materials

- 6 test tubes
- Water
- Phenolphthalein (indicator)
- Pellets of sodium hydroxide (handle with tweezers)
- Parafilm
- clay
- Saran wrap
- Tape

### Procedure:

- Work in groups of 3 or 4
- Prepare a rack of six test tubes, label the test tubes 1 – 6.
- Fill each test tube  $\frac{1}{2}$  way up with water.
- Add three drops of phenolphthalein to each test tube
- Prepare the pellets of sodium hydroxide **USING TWEEZERS** and place them in the corresponding test tubes

- 1. Pellet, unwrapped (Control )*
- 2. Pellet wrapped in tape*
- 3. Pellet wrapped in saran wrap*
- 4. Pellet wrapped in clay*
- 5. Pellet wrapped in parafilm*
- 6. Pellet prepared to your liking (try to make the best containment possible)*

Describe your treatment for test tube 6

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**Results**

Test Tube	Observations Day 1	Observations Day 2	Observations Day 3
1			
2			
3			
4			
5			
6			