LAB – Physical and Chemical Changes

Materials: clay, electronic scale, beakers, antacid tablets, water

Hypothesis for procedure 1: *If – Then* Hypothesis

1. Record the mass of the block of molding clay on Data Table 1.
2. Change the shape into a ball and record the mass.
3. Change the shape into anything you would like and record the mass.

|  |  |
| --- | --- |
| **Shape** | **Mass (grams)** |
| Block |  |
| Ball |  |
| Your Choice - |  |

Hypothesis for procedure 2: *If – Then* Hypothesis

Procedure 2:

1. Place an antacid tablet in a beaker.
2. Place 2mL of water in another beaker.
3. Place both beakers on a scale and determine the total mass. Record on data table 2.
4. Crush the antacid tablet and place it back in the beaker. Once more, record the mass of both beakers.
5. Pour the water into your beaker and record your observations here:
6. After two minutes, place both beakers onto the scale. Record

the total mass.

|  |  |
| --- | --- |
| Materials | Mass |
| Tablet in one beaker and 2mL of water in the other beaker. | \_\_\_\_grams |
| Crushed tablet in one beaker and 2mL of water in the other beaker. | \_\_\_\_grams |
| Dissolved tablet and empty beaker. | \_\_\_\_grams |

Analyze and Conclude:

1. Was your hypothesis for procedure 1 correct? Explain.

2. Was your hypothesis for procedure 2 correct? Explain.