

Name _____ Date _____ Period _____

Activity 06-05**Baggie Lab: Elements, Compounds, and Mixtures**

1. How is a compound different from an element? _____

2. What is a mixture? _____

Procedure:

1. Obtain samples of copper foil, salt, aluminum foil, chalk (calcium carbonate), a piece of granite, sugar water, and a piece of tin and lead solder.
2. Use the table to identify each object and classify it as either an element, a compound, a heterogeneous mixture, or a homogeneous mixture. Use a periodic table to find the names of elements. Research any substances that you are not familiar with.

Object	Identity	Classification
1		
2		
3		
4		
5		
6		
7		

Summing Up:

1. If you know the name of a substance, how can you find out if it is an element?

2. How is a compound different from a mixture?

3. Which of the mixtures were heterogeneous? _____

4. On what basis did you decide that they were heterogeneous? _____

5. How did you decide if a mixture was homogeneous? _____

Above and Beyond (optional)

Examine the contents of your refrigerator at home. Classify what you find as elements, compounds, or mixtures.

Elements Compounds Homogeneous Mixture Heterogeneous Mixture