



Gumdrop Lab

The purpose of this investigation is to explore the properties of different materials in an attempt to discover ways in which they are similar and/or different.

Observation: Make observations of the contents of each bag. Draw and label what you see, paying special attention to amounts, arrangements, and anything else you find interesting. Please use colored pencils to color the gum drops.

Na - <i>element</i>	Cl ₂ - <i>element</i>
Fe - <i>element</i>	NaCl - <i>compound</i>
H ₂ O - <i>compound</i>	NaCl & H ₂ O (salt in water) - <i>mixture</i>
Fe & AgCl ₂ (iron and silver chloride) - <i>mixture</i>	General Observations/Trends

Name _____ Date _____ Period _____

Analysis Questions: Use your drawings to answer the questions below.

1. Look at the three drawings labeled *element* and answer the following questions:
 - a. What do the three bags have in common?

 - b. Propose a definition for *element*.

2. Look at the two drawings labeled *compound* and answer the following questions:
 - a. What two things do they have in common?

 - b. Propose a definition for *compound*.

3. Look at the two drawings labeled *mixtures* and answer the following questions:
 - a. What do they have in common?

 - b. Propose a definition for *mixture*.

4. In the space provided, use your observations and thoughts to describe the difference between elements, compounds, and mixtures.

