

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Classifying Matter****Part 1:** Classify each of the following as Pure Substance or Mixture

1. Table Salt \_\_\_\_\_
2. Apple \_\_\_\_\_
3. Water \_\_\_\_\_
4. Calcium \_\_\_\_\_
5. Raisin Bran \_\_\_\_\_
6. Gasoline \_\_\_\_\_
7. Iced Tea (no ice) \_\_\_\_\_
8. Silver \_\_\_\_\_
9. Chocolate Chip Cookie \_\_\_\_\_
10. Carbon Dioxide \_\_\_\_\_

**Part 2:** Classify each of the materials below. In the center column, state whether the material is a **pure substance** or a **mixture**. If the material is a pure substance, further classify it as either an **element** or **compound** in the right column. Similarly, if the material is a mixture, further classify it as **homogeneous** or **heterogeneous** in the right column. Write the entire word in each space to earn full credit.

<i><b>Material</b></i>	<i><b>Pure Substance or Mixture</b></i>	<i><b>Element, Compound, Homogeneous, Heterogeneous</b></i>
concrete		
sugar + pure water (C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> + H <sub>2</sub> O)		
iron filings (Fe)		
limestone (CaCO <sub>3</sub> )		
orange juice (w/pulp)		
Pacific Ocean		
air inside a balloon		
tap water in a glass		
soil		
pure water (H <sub>2</sub> O)		