

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>Material</i>	<i>Pure Substance or Mixture</i>	<i>Element, Compound, Homogeneous, Heterogeneous</i>
concrete		
sugar + pure water ($C_{12}H_{22}O_{11} + H_2O$)		
iron filings (Fe)		
limestone ($CaCO_3$)		
orange juice (w/pulp)		
Pacific Ocean		
air inside a balloon		
tap water in a glass		
soil		
pure water (H_2O)		