



# ELEMENT, COMPOUND, OR MIXTURE

An **element** is a pure substance that is made up of only one type of atom. A **compound** is a pure substance formed by two or more elements that are chemically bonded in fixed proportions. A **mixture** is a physical combination of different substances.

Identify whether the following is an element, a compound, or a mixture. Justify your answers.

Substance	Type of Substance	Justification
1. Iron (Fe)		
2. Carbon Dioxide (CO <sub>2</sub> )		
3. Paper		
4. Cement		
5. Sugar (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )		
6. Saltwater		
7. Sulfur (S)		
8. Glue		
9. Lead (Pb)		
10. beads		
11. table salt (NaCl)		
12. sand		
13. Copper (Cu)		
14. Methane (CH <sub>4</sub> )		
15. Baking Soda (NaHCO <sub>3</sub> )		

