



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 ₂)		
3. Paper		
4. Cement		
5. Sugar (C ₆ H ₁₂ O ₆)		
6. Saltwater		
7. Sulfur (S)		
8. Glue		
9. Lead (Pb)		
10. beads		
11. table salt (NaCl)		
12. sand		
13. Copper (Cu)		
14. Methane (CH ₄)		
15. Baking Soda (NaHCO ₃)		

