

Unit 2: Classification of Matter

Objectives

1. Discuss how the properties of matter can be used to identify an unknown
2. Distinguish between chemical and physical properties of matter
3. Classify a change in matter as either a chemical change or a physical change, and recognize that a chemical change is a process that has reactants and products
4. List the evidences of a chemical change
5. Classify a substance as an element, a compound, or a mixture
6. Compare and contrast elements and compounds, especially on the submicroscopic level
7. Compare and contrast compounds and mixtures
8. Classify a mixture as a solution, a suspension, or a colloid; distinguish between homogenous and heterogeneous mixtures
9. Discuss the methods by which a mixture can be separated