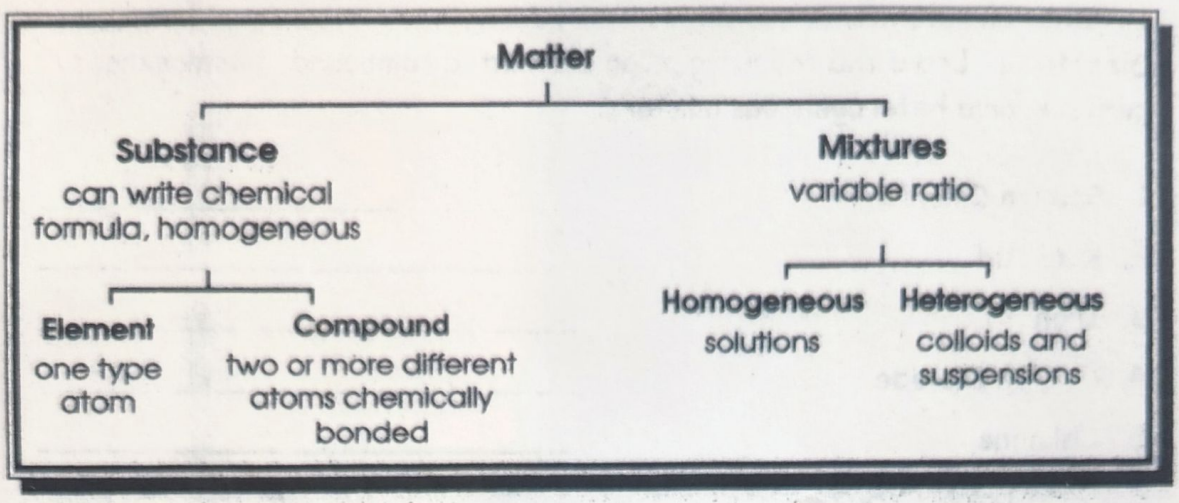
MATTER—SUBSTANCES VS. MIXTURES

Name Colton Shoff

All matter can be classified as either a substance (element or compound) or a mixture (heterogeneous or homogeneous).



Classify each of the following as to whether it is a substance or a mixture. If it is a substance, write Element or Compound in the substance column. If it is a mixture, write Heterogeneous or Homogeneous in the mixture column.

Type of Matter	Substance	Mixture
1. chlorine	Element ~~Compound~~	
2. water	Compound	
3. soil		Heterogenous
4. sugar water		Homogenous
5. oxygen	Element	
6. carbon dioxide	Compound	
7. rocky road ice cream		Heterogenous
8. alcohol	Compound	
9. pure air		Homogenous
10. iron	Element	

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Module 4

Classifying Matter

Directions: Label the following as an element, a compound, a homogenous mixture, or a heterogeneous mixture.

1. Sodium Chloride — compound
2. Kool-Aid — Homogenous Mixture
3. Iron — Element
4. Carbon Dioxide — Compound
5. Chlorine — Element
6. Coca-Cola® "Fresh" — Homogenous ~~Heterogenous~~ mixture
7. Flat Coca-Cola® — Homogenous mixture
8. Ocean Water — Heterogenous mixture
9. Ammonia, NH_3 — Compound
10. Methane — Compound
11. Air — Heterogenous ~~Homogenous~~ mixture
12. Gasoline — ~~Compound~~ Homogenous mixture
13. Wine — Homogenous mixture
14. Soil — Heterogenous mixture
15. Wood — Heterogenous mixture
16. Iced tea — Heterogenous mixture
17. Brass — Homogenous mixture (alloy)
18. Steel — Homogenous mixture (Alloy)
19. Ivory® Soap — Homogenous mixture
20. Teflon® — compound