

Module 4

Classifying Matter

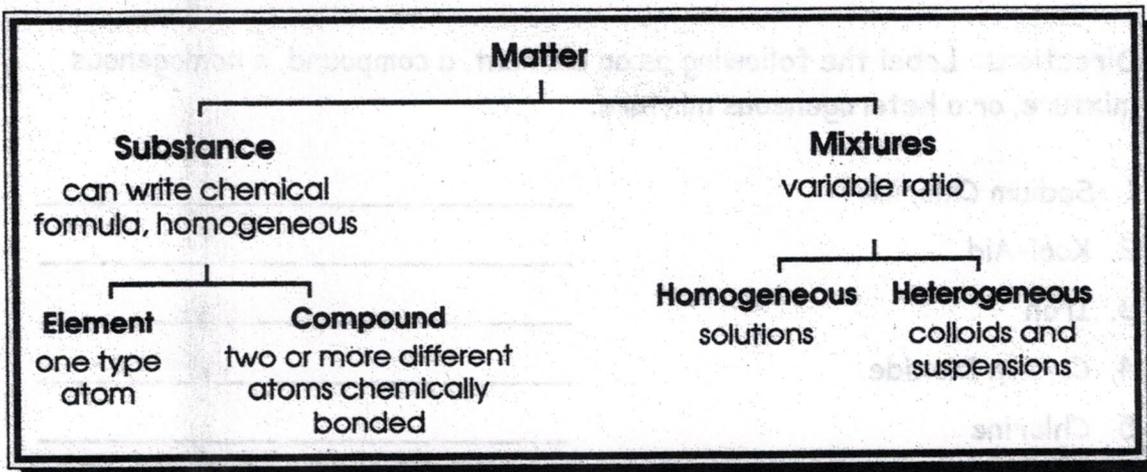
Directions: Label the following as an element, a compound, a homogenous mixture, or a heterogeneous mixture.

1. Sodium Chloride	compound
2. Kool-Aid	homogeneous mixture
3. Iron	element
4. Carbon Dioxide	compound
5. Chlorine	element
6. Coca-Cola® "Fresh"	homogeneous mixture
7. Flat Coca-Cola®	homogeneous mixture
8. Ocean Water	heterogeneous mixture
9. Ammonia, NH ₃	compound
10. Methane	compound
11. Air	heterogeneous mixture
12. Gasoline	homogeneous mixture
13. Wine	homogeneous mixture
14. Soil	heterogeneous mixture
15. Wood	heterogeneous mixture
16. Iced tea	heterogeneous mixture
17. Brass	homogeneous mixture
18. Steel	homogeneous mixture
19. Ivory® Soap	homogeneous mixture
20. Teflon®	compound

MATTER—SUBSTANCES VS. MIXTURES

Name Tabitha Crane

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 Cl ₂	element	
2. water H ₂ O	compound	
3. soil		heterogeneous
4. sugar water		homogeneous
5. oxygen O ₂	element	
6. carbon dioxide CO ₂	compound	
7. rocky road ice cream		heterogeneous
8. alcohol C ₂ H ₅ OH	compound	
9. pure air		homogeneous mixture
10. iron Fe	element	

Module 4

Classifying Matter

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

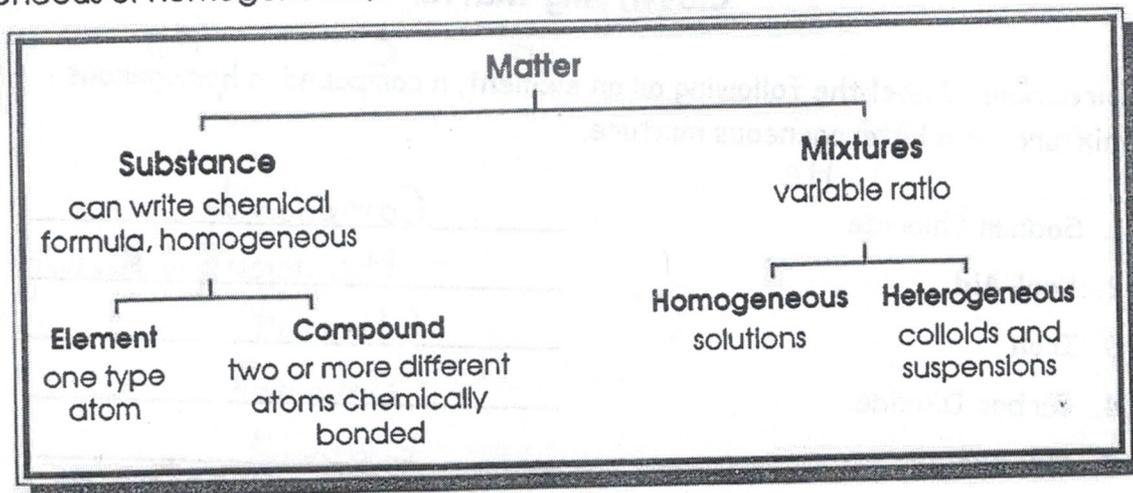
- | | |
|--------------------------------|-----------------------------|
| 1. Sodium Chloride | <u>Compound</u> |
| 2. Kool-Aid | <u>Homogenous Mixture</u> |
| 3. Iron | <u>Element</u> |
| 4. Carbon Dioxide | <u>Compound</u> |
| 5. Chlorine | <u>Element</u> |
| 6. Coca-Cola® "Fresh" | <u>Homogenous Mixture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

MATTER—SUBSTANCES VS. MIXTURES

Name

KEY

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 (E or C)	Mixture (Homo/ Hetero)
1. chlorine Cl_2	Element	
2. water H_2O	Compound	
3. soil		Heterogeneous
4. sugar water		Homogeneous
5. oxygen O_2	Element	
6. carbon dioxide CO_2	Compound	
7. rocky road ice cream		Heterogeneous
8. alcohol C_2H_5OH	Compound	
9. pure air		Homogeneous
10. iron Fe	Element	