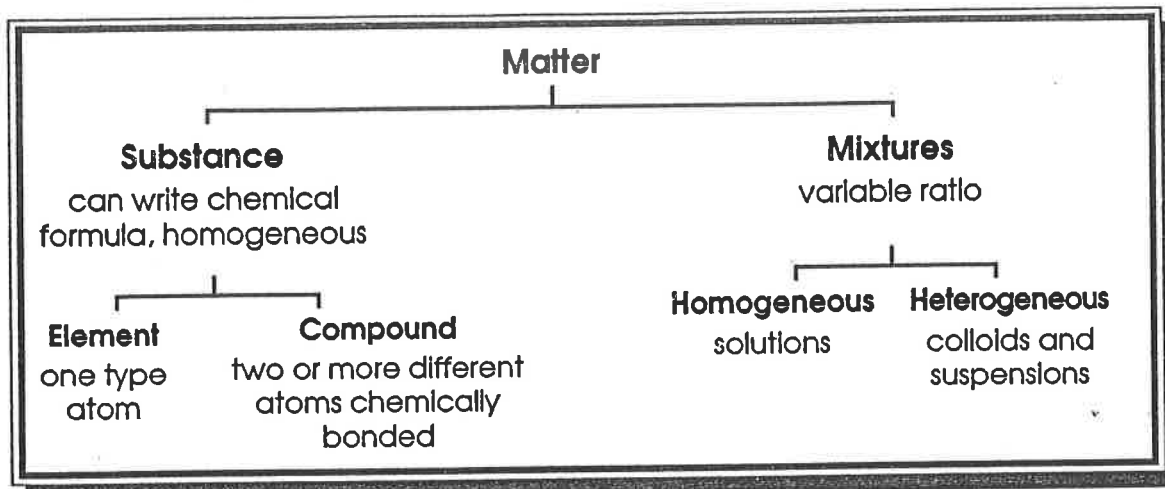


# MATTER—SUBSTANCES VS. MIXTURES

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	