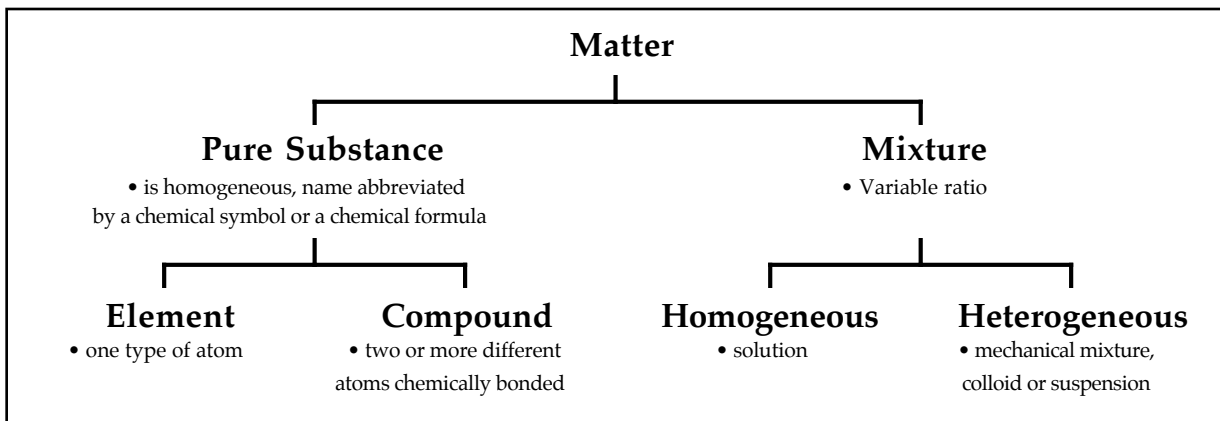


Pure Substances vs. Mixtures

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



- Classify each of the following as a pure substance or a mixture. If it is a pure substance, indicate whether it is an element or a compound. If it is a mixture, indicate whether it is homogeneous (one phase) or heterogeneous (more than one phase).

	Type of Matter	Pure Substance (element or compound)	Mixture (homogeneous or heterogeneous)
1	chlorine		
2	water		
3	soil		
4	sugar water		
5	oxygen		
6	carbon dioxide		
7	rocky road ice cream		
8	alcohol		
9	pure air		
10	iron		
11	milk		
12	copper (II) sulfate solution		
13	potassium dichromate		
14	sulfur		