

<b>Step 1</b>	Decide if the substance is a <b>a) Pure substance</b> - (made up of only one type of particle) <b>b) Mixture of substances</b> - (made of up of two or more different types of particles which are not chemically joined together)						
<b>Step 2</b>	If it is a <b>Pure Substance</b> : is it <b>a) an element</b> - (only one kind of atom present or <b>b) a compound</b> - (two or more kinds of atoms joined together chemically)						
<b>Step 3</b>	If it is a mixture: is it <b>a) Homogeneous</b> - (homogeneous mixture that appears in one phase) or a <b>b) Heterogeneous</b> - (you can see at least two different parts or phases)						
	<b>Name of substance</b>	<b>Pure</b>	Element	Compound	<b>Mixture</b>	<u>Homo</u> - geneous	<u>Hetero</u> - genous
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							

## Elements, Compounds, and Mixtures

Classify each of the pictures below by placing the correct label in the blanks below:

A= Element

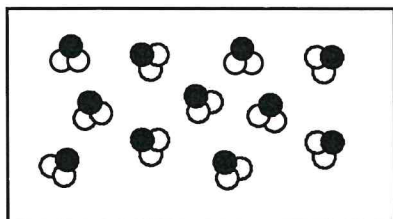
D= Mixture of compounds

B= Compound

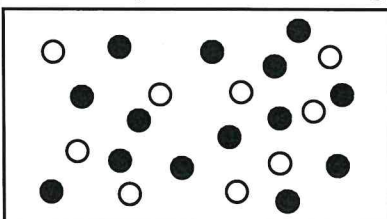
E= Mixture of elements and compounds

C= Mixture of elements

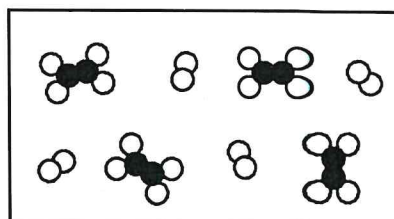
Each circle represents an atom and each different color represents a different kind of atom. If two atoms are touching then they are bonded together.



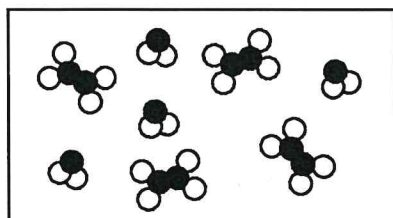
1) \_\_\_\_\_



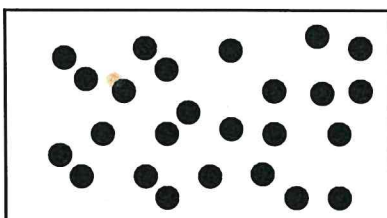
2) \_\_\_\_\_



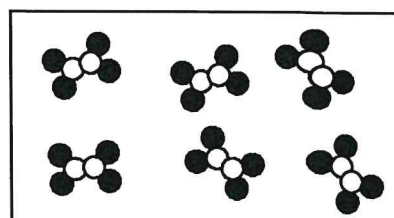
3) \_\_\_\_\_



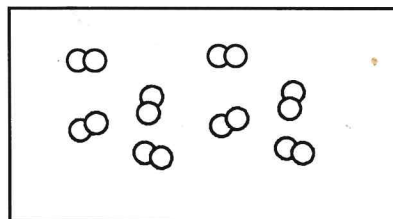
4) \_\_\_\_\_



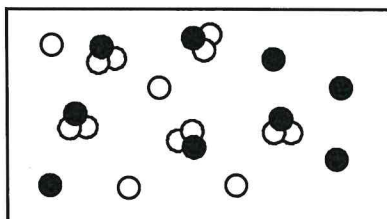
5) \_\_\_\_\_



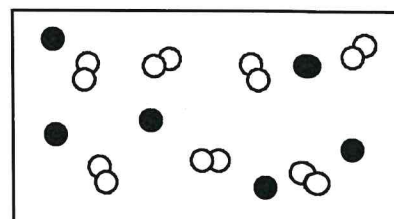
6) \_\_\_\_\_



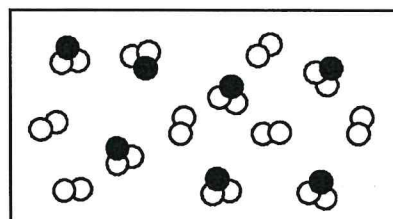
7) \_\_\_\_\_



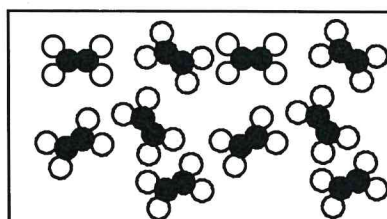
8) \_\_\_\_\_



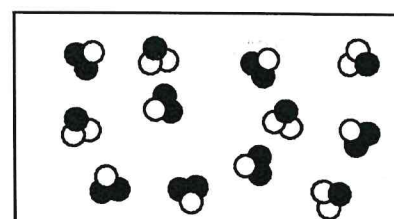
9) \_\_\_\_\_



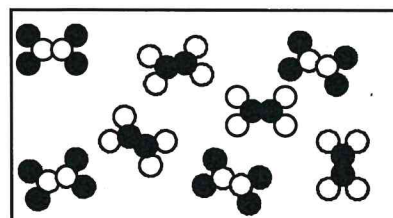
10) \_\_\_\_\_



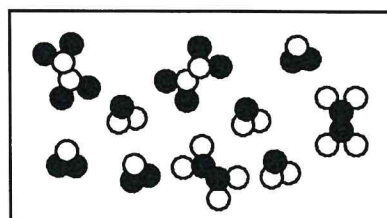
11) \_\_\_\_\_



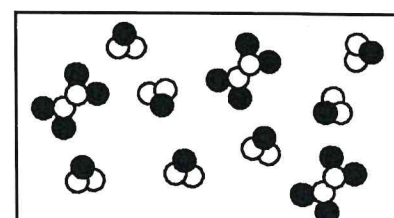
12) \_\_\_\_\_



13) \_\_\_\_\_



14) \_\_\_\_\_



15) \_\_\_\_\_