

1. Are the following statement True or False? For the False statements change them to be a true statement in the space provided.

(a) Molecular compounds have lower melting points than Ionic Compounds. _____

(b) Liquids have indefinite shape. _____

(c) The particles in a gas are close together and in motion. _____

(d) Elements can be separated chemically _____

(e) Chocolate chip cookies are homogeneous _____

2. Identify the following as either a pure substance (S) or a mixture (M) and explain why.

(a) Table Salt _____

(b) Cup of Coffee _____

(c) Milk _____

(d) Fe _____

(e) Air _____

3. What properties can be used to distinguish between a homogeneous mixture and a heterogeneous mixture?

Solids/Liquids/Gases

Element/Compound/Mixture

Homogenous/Heterogeneous

4. Define the term Element.

5. Define the term compound.

6. Complete the following table:

State	Shape: Definite or Indefinite	Volume: Definite or Indefinite	Picture: Sketch
Liquid			
Gas			
Solid			

7. What TWO properties can be used to distinguish between an element and a compound?