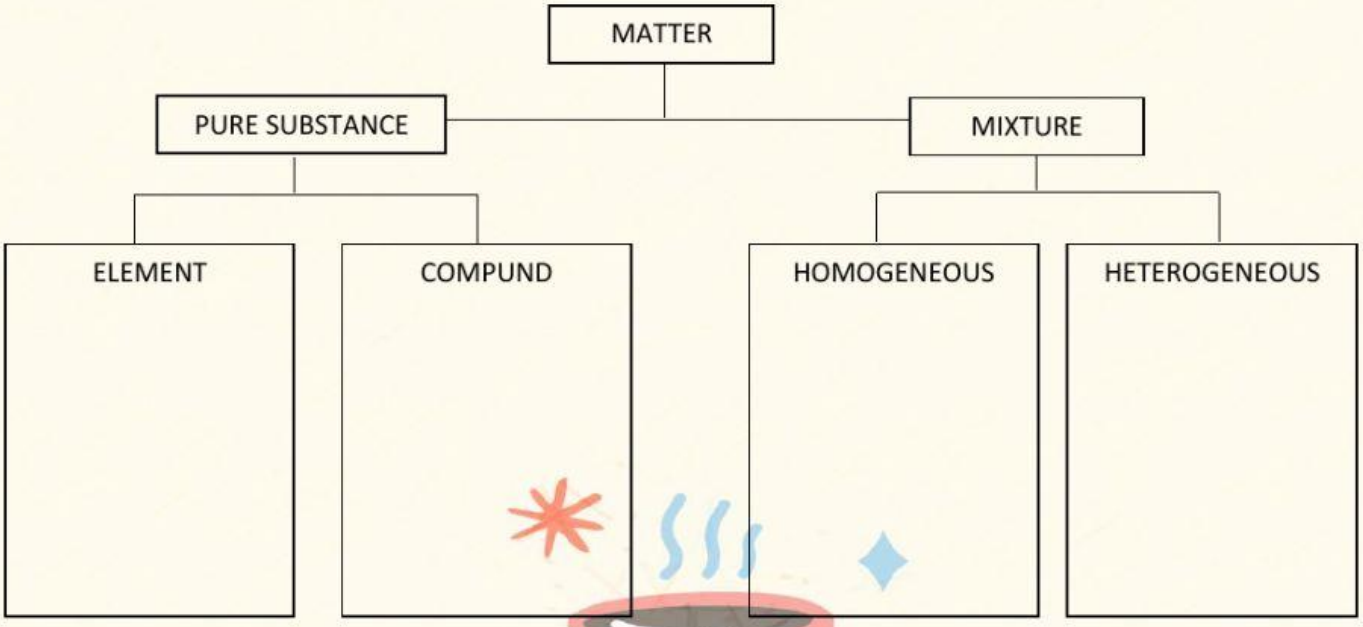
CHAPTER 1: MATTER

1. Matter are classified into mixture and pure substance.



By using the above chart, classify the following substance:

Graphite	Sucrose	Apple juice	Iron ore	Choc chip ice-cream
Ammonia	Table salt	Whipped cream	Iron metal	Orange juice with pulp
Sulphur	Vanilla ice-cream	Chicken soup	Crunchy peanut butter	

2. Indicate whether the following statement are true of false.
   (a) Elements are composed of one type of atom.
   (b) A mixture of oil and water is a homogeneous mixture.
   (c) Heterogeneous mixture is a mixture with no visible separation between its components.

3. Complete the statement.
   (a) Density of solid is _____ than liquid and gas.
   (b) Particles of _____ are arranged closely but not rigid.
   (c) Volume of _____ is equal to the volume of the container.
   (d) _____ has definite shape and volume.

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4. Given below are some elements of the periodic table:

   $_{4}Be$, $_{12}Mg$, $_{17}Cl$, $_{20}Ca$

   (a) Select two elements that belong to the same group.
   (b) Select two elements that belong to the same period.
   (c) Select element that belong to halogen group.

5. Classify the following statements as physical change or chemical change.

   (a) Melting ice
   (b) Burning wood
   (c) Fireworks explosion
   (d) Shredding papers
   (e) Chopping wood
   (f) Mixing vinegar and baking soda
   (f) Rotting banana
   (g) Melting chocolate
   (h) Iron rusting
   (i) Cooking an egg
   (j) Freezing water at 0°C
   (k) Wire is bent
   (l) Filling up a balloon with hot air
   (m) Digestion process in human body
   (n) Burning leaves
   (o) Dissolve sugar in water
   (p) Dissolve salt in water



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