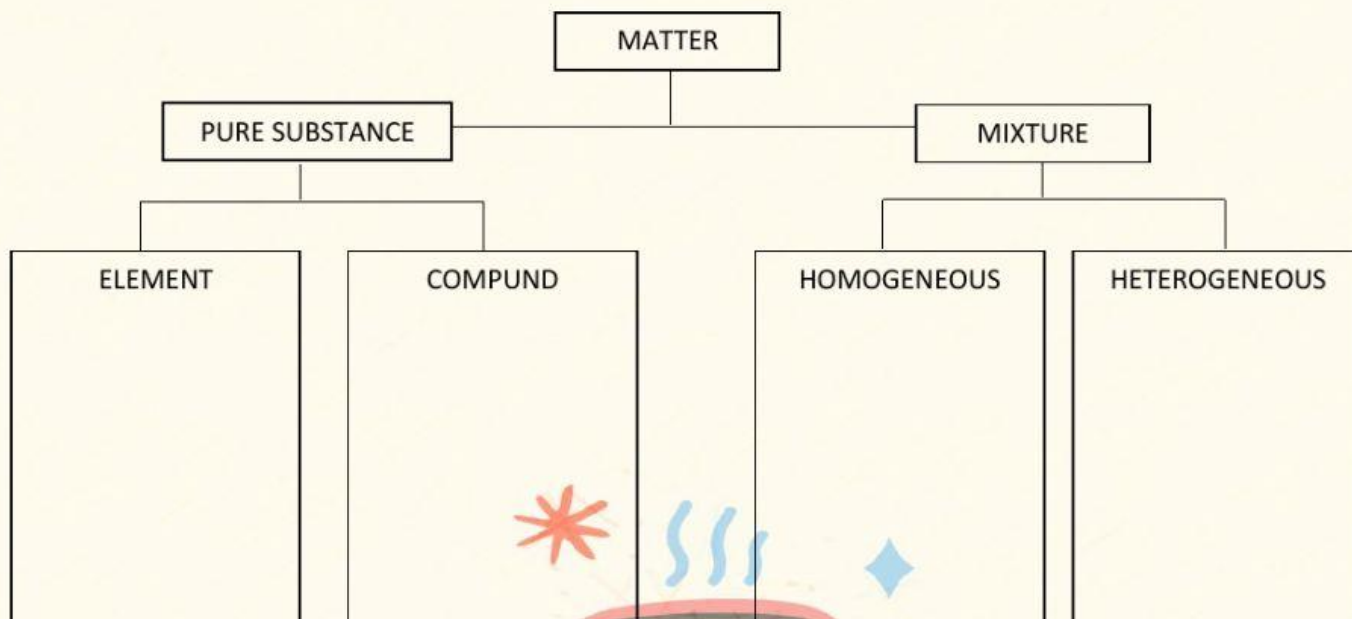


CHAPTER 1: MATTER

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 or false.

- Elements are composed of one type of atom.
- A mixture of oil and water is a homogeneous mixture.
- Heterogeneous mixture is a mixture with no visible separation between its components.

3. Complete the statement.

- Density of solid is _____ than liquid and gas.
- Particles of _____ are arranged closely but not rigid.
- Volume of _____ is equal to the volume of the container.
- _____ has definite shape and volume.

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

${}_4\text{Be}$, ${}_{12}\text{Mg}$, ${}_{17}\text{Cl}$, ${}_{20}\text{Ca}$

- (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

