

1) What are the five basic elements of which matter is made up of according to the ancient philosophers?

Ans) The five basic elements of matter are air, water, earth, sky, fire.

2) What do you understand by the term matter? Give examples.

Ans) Matter is anything that has mass occupies space and can be perceived by our senses. Ex - water, air, stone.

3) Write one point to differentiate an atom and a molecule.

Ans) An atom is the smallest possible unit of matter that exhibits all the properties of ~~the~~ that matter.

A molecule is the smallest ~~unit~~ unit of matter which ~~can~~ exhibits all the

properties of that kind of matter and also has an independent existence

Q 4) Mention the characteristics of particles of matter

Ans) * Particles of matter have space between them. This space is called interparticular space.

5) Differentiate between Solid liquid and gas

Ans) Solid - Particles are tightly packed
Liquid - Particles are not tightly packed
Gas - Particles are loosely packed

6. Define sublimation. Name any two materials that sublime

Ans) Sublimation means changing of solid to gas directly. \odot Ice - Naphthalin balls

7. What do you mean by interconversion

of matter? What are the factors ~~which~~ which cause these ^{interconversion} _{factor}

Ans) Interconversion of matter means changing states of matter. Heat and cold change these states of matter.

8. What are fluids? Give example

Ans) Fluids are those whose particles are not tightly packed. Ex - water, air

a. Give one word -

a) condensation

b) Sublimation

c) liquid