

Assignment

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

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, iron.

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 ~~of~~ 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.  Ex - Naphthalin balls

7. What do you mean by Interconversion
- n

of matter? What are the factors
~~which~~ which cause these Interconversion

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

10. Give Reasons

a) A teaspoon of sugar added to 100 ml of water does not increase its volume.

Ans) Because the sugar gets dissolved with the particles of matter.

b) Sponge is a solid though, it can be compressed.
Ans)  Sponge is a solid having tiny pores in it, which traps air.

11) Difference between Mass and weight

Ans) Mass - Quantity of matter

Weight - The force with which the ~~earth~~ Earth pulls a body towards itself

14) CO₂ Full form -

Ans) Carbon dioxide (1) oxygen (2)

15) LPG Full form -

Ans) Liquefied petroleum gas.