

EX-1

1-A- The earth is surrounded by a thick layer of air called atmosphere.

2-A- We can't see air because it is colourless, odourless, tasteless, transparent gaseous matter.

3-A- The movement of air is called wind.

4-A- ⁱⁿ The absence of atmosphere, there would be no life, no rains, no winds, no fires and also no ozone layer that would be used as protection layer against harmful radiations.

5A The air called a mixture :

- i) The composition of air varies from place to place and from time to time.
- ii) No energy change ~~occ~~ occurs when the components of air are mixed together.
- iii) The components of air retain their individual properties.
- iv) Air cannot be represented by a formula as its constituents are not in a fixed proportion.
- v) The components of air can be separated by simple physical methods.

G-A- The main components of air are: Nitrogen, oxygen, small quantities of carbon dioxide, water vapour, dust particles, traces of inert gases like helium, neon, argon, etc.

The components of three main gases are:

Nitrogen - 78%

Oxygen - 21%

Carbon dioxide - 0.03 - 0.04%

F-A-ii) Due to the cold surface of the glass tumbler, the water vapour present in air got condensed as water droplets.

iii) When burning candle is covered with an inverted jar, candle continues to burn for

Page _____
Some time and then gets extinguished.

iii) Carbon dioxide gas is passed through lime water it reacts with lime water and turns it milky.

iv) A beam of light is allowed to enter in a closed dark room through a small hole. We observe randomly moving dust particles in the beam of light.

8 Lime water - Calcium hydroxide

The white insoluble solid formed on reaction of carbon dioxide with lime water is Calcium ~~oxide~~ and carbonate.

PDF Created Using



Camera Scanner

Easily Scan documents & Generate PDF



<https://play.google.com/store/apps/details?id=photo.pdf maker>