

CHEMISTRY - HOMEWORK

Exercise - ■

1. Atmosphere is a thick layer of protection from the harmful radiations and cosmic waves.
2. We can't see air because it's odourless, colourless, and not visible to naked eye.
3. Wind is the force of the air which acts on the environment.
4. If there was no atmosphere then all people would have died due to the harmful radiations of the Sun.
5. Air is a mixture because it contains mainly nitrogen and oxygen. It also contains minute amounts of carbon dioxide. The composition of air varies from place to place. The components of air retain their individual properties. Air cannot be represented by a formula as its constituents are not in a fixed proportion. The components of air can be separated by simple physical methods.

6. The composition of air by volume is:-

Nitrogen - 78%

Oxygen - 21%

Inert gases - 0.9%

7.
(a) It is observed that in the experiment when ice cold water is kept on a glass tumbler it forms a shape.

(b) It is observed in the experiment that when we keep an inverted jar on a burning candle, the candle burns out.

(c) It is observed that in the experiment carbon dioxide ~~is~~ gas is passed through lime water in the form of air.

(d) It is observed that when a beam of light is allowed to enter in a closed dark

room through a small hole
will be the following:

* The dust particles will be seen
by naked eyes.

8.

(a) $\text{Ca}(\text{OH})_2$ is the formula of lime water.

(b) CaCO_3 is the formula of calcium carbonate.