

Air and Atmosphere

En-1

- ① Atmosphere is the thin layer of air that ~~surrounds~~ surrounds the earth.
- ② Air looks invisible because it sends very little colour to our eyes.
- ③ Wind is the movement of air, caused by the uneven heating of the earth by the sun.
- ④ If there were no atmosphere^e around the earth, the temperature would get affected.
- ⑤ Air is called a mixture because it consist of many gases.

• Fact :-

(i) A mixture has no formula whereas the

Compound has a formula.

(ii) No energy changes are involved to form air from various gas.

(iii) When air is formed out of its constituents no change in mass and no change in volume takes place.

(iv) Properties of air vary from place to place and from time to time.

(v) Components of air can be separated by simple physical methods.

67 The main component of air is nitrogen and oxygen.

7) a) We will observe that fine water droplets are getting deposited on the outer wall of the glass tumbler.

b) We will observe that the candle flame extinguishes soon after.

c) When the gas is passed through lime water, it turns milky due to the formation of a white precipitate of calcium carbonate.

d) We will observe randomly moving dust particles in the beam of light.

8) a) Calcium Hydroxide

b) Calcium carbonate.