

HW
15/12/21

Worksheet

- I) 1) a) Sometimes you may have felt suffocation. This is due to excess of:
and c) carbon dioxide.
- b) Which of these can plants not absorb directly from the atmosphere:
a) ~~oxygen~~, nitrogen, ~~carbon dioxide~~
- c) Which gas is produced by plants during respiration
and carbon dioxide.
- 2) a) Air in motion is called wind.
b) The burning of fuels also produces harmful poisonous gases and smoke.
c) The presence of water vapour in the air is important for the water cycle in nature.
- 3) a) Atmosphere: - The earth is surrounded by a thick layer of air called the atmosphere that extends upto a height of about 20 kilometres above the surface of earth. It contains different layers.
- b) Smoke: - It is ^{usually} dark colour and contains a lots of harmful gases and is caused by burning of anything. It is also a mixture of water vapour and

dust particles.

2) Composition of air: - In ancient times, air was considered to be an element. A number of scientists tried to find out the exact composition and nature of air. In 1774, Lavoisier, a French scientist chemist, showed the air is a mixture and the main gases in it are nitrogen and oxygen. Besides these two gases, air also contains small quantities of carbon dioxide, water vapour, dust particles and traces of inert gases like helium, neon, argon, etc. Air also contains smoke as a pollutant.

Gases	Percentage
→ Nitrogen	78%
→ Oxygen	21%
→ Carbon dioxide	0.03 - 0.04%
→ Inert gases	0.9%
→ Water vapour	Varies
→ Dust particles	Varies
→ Other impurities	Varies