

# HOMWORK

## Exercise-1

Q. What is atmosphere?

Ans- The atmosphere is a thick layer of air by which the earth is surrounded.

Q. Why can't we see air?

Ans- We can't see air because

Teacher's Signature

it is colourless, odourless, tasteless transparent gaseous matter.

3. What is wind?

Ans - When air is in moving state & it is known as wind.

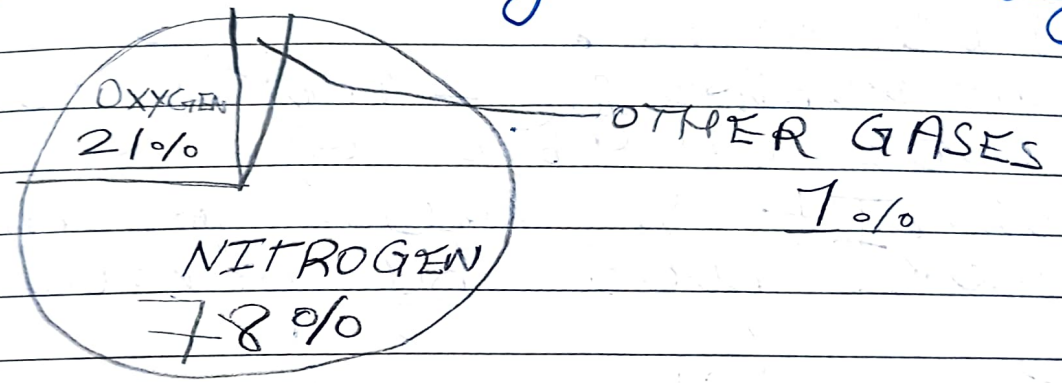
~~4. What would if there would be no~~

4. What would have happened if there would have been no atmosphere around the earth?

Ans - If there would be no atmosphere around the earth then it would be disastrous.

- The sun's direct rays will fall and it would cause fire in the ~~earth~~ earth.

5. Air is called a mixture of gases because it contains different type of gases. It contains gases like nitrogen, carbon dioxide, oxygen, smoke, water vapour, inert gases, dust particles and other gases. Here is a quantity of the gases in a diagrammatic way:



6. The main components of the air are:

- Oxygen
- Nitrogen
- Rare

Oxygen - The oxygen composes

of 21% of air. Oxygen is the component of air, which supports burning.

Nitrogen - Composes of 78% of the air and is really useful. It is converted into ammonia to nitrites to nitrates and then proteins for plants and animals directly and indirectly.

Carbon dioxide - makes up for 0.03-0.04% of the earth's air. It is useful for plants to make food by photosynthesis.

7. (a) When we do that we observe that water droplets appear on the outer surface. That proves →

(b) we see that the candle gets lit off because of shortage of the gas oxygen.

(a) The lime water when in it carbon dioxide is passed the ~~is~~ lime water turns milky white.

(d) we can see the dust particles.

- 8° (a) Calcium hydroxide  
(b) Calcium Carbonate

