

## Ex-I

Q1) What is ~~Atmosphere~~ atmosphere?

Ans) Atmosphere is the thin layer of air that surrounds the earth. It is made up of various gases ~~is~~ such as oxygen, nitrogen, carbon dioxide, dust particles and water vapour. The gravitational force of the earth holds the atmosphere around it. ~~It~~ It protects us from harmful rays of sun, scorching heat of sun.

Q2) Why can't we see air?

Ans) Air looks invisible because it sends very little colour to our eyes. .... Object appear to be ~~the~~ the colour they reflect to our eyes. Air is a mixture of gases, ~~mainly~~ mainly nitrogen and oxygen, with small molecules that are far apart. Wavelengths of light may pass by these molecules without hitting them.

Q3) What is wind?

Ans) Wind is a renewable energy source that uses the power of moving air to generate electricity. Wind turbines use blades to collect the wind's kinetic energy.

Q4)i)

Ans) Without an atmosphere, life would not be possible as the atmosphere protects us from harmful gases. We could not live without air present in the atmosphere. In the absence of the atmosphere, the earth would get so cold at night that we would get so cold at night that we would not be able to survive. NO CO<sub>2</sub> and N<sub>2</sub> for plants without atmosphere.

Q5)

1) Air has no formula, a mixture has no formula whereas the compound has formula.

2) No energy changes are involved from various gases.

3) When air is formed out of its constituents no changes in mass and no change in volume take place.

4) Properties of air vary from place to place and from time to time i.e. there is more  $\text{CO}_2$  in town as compared to ~~village~~ villages where more oxygen prevails as compared to towns.

6)

Ans) Nitrogen, oxygen