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Hw. 7-12-2021 Swarit Nath class-6 sec-B

Ex-11

6. Name the processes which maintain the balance between oxygen and carbon-dioxide in the air. How is it done?

Ans = The processes which maintain the balance between oxygen and carbon-dioxide in air are photosynthesis and burning of fuels and respiration of plants and animals. Plants <sup>produce</sup> take in oxygen through photosynthesis and utilize oxygen during respiration. They produce more oxygen than they ~~take in~~ consume during respiration.

7. State two similarities and two differences between ~~breathing~~ and respiration.  
burning

Ans:-

Respiration	Burning
1. Oxygen is required.	Oxygen is required.
2. Carbon dioxide and water vapour are formed.	Carbon dioxide and water vapour are formed.
1. Small amount of energy is released in the form of heat and light.	1. large amount of energy is released in the form of heat and light.
2. Respiration is a slow process.	2. A fast process.

8. Define rusting. What are the two necessary conditions for rusting of iron? Give the chemical name of rust.

Ans:- The slow conversion of iron into its hydrated oxide in the presence of moisture and air is called rusting. The conditions necessary for ~~rust~~ rusting are it should be exposed to air and moisture. It can also occur from water. The chemical name for ~~iron~~ rusting is hydrated iron oxide.

9. (a) How is air useful to:

(a) Water boats: Air helps in the movement of water boats. The movements of water boats is controlled and governed by air.

(b) Agriculture: Air speeds up drying up of agricultural products like grains, pulses, fruits etc. Air helps in pollination of flowers and dispersal of seeds. Air helps in pollination of flowers and dispersal of seeds.

(c) Windmills: Windmills work where there is sufficient movement of air.

The large ~~wind~~ blades on the outside when turned by the force of the wind, helps to generate electricity.

(d) Scooters and cars: Air filled tyres of cars and scooters move smoothly on road as there is less friction.

10. State the full form of LPG and CNG. How are the two different in their composition?

Ans: Full form of Lpg is liquefied petroleum gas and CNG is compressed natural Gas. Lpg is obtained from ~~and~~ crude petroleum and it mainly consists of gaseous compounds called butane and isobutane. CNG is produce along with crude oil. It main contains methane gas.

Q11 (a) Why is nitrogen important for living beings?

Ans: It is important because plants need nitrogen to make protein which is important for growth of all living beings.

(b) What is nitrogen fixation?

Ans: Nitrogen fixation is the process by which free nitrogen of air is converted into nitrogen compounds like nitrites and nitrates which are useful plant nutrients to make proteins.