

Tendern Heart High School

Section 33 B, Chandigarh

Name: Varun Sathotra

Date: 1/10/24

Subject: Geography

Class: VII

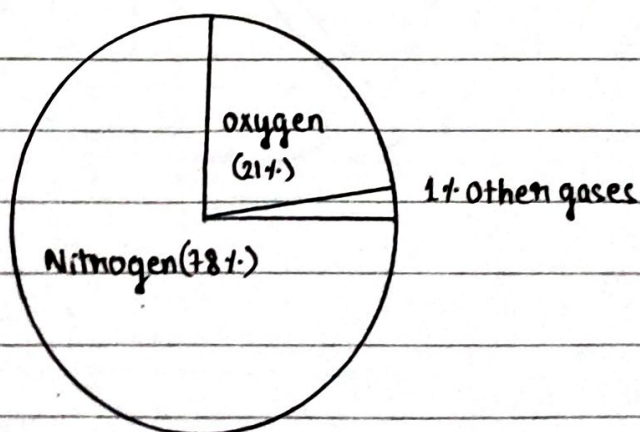
Atmosphere

(1) Introduction

- Atmosphere is the blanket of air that surrounds the Earth's surface.
- It extends over 690 kms from the surface of the Earth.
- Atmosphere is made up of mixture of gases such as Nitrogen, Oxygen, Carbon dioxide, Argon, Neon, Krypton etc.
- The lower layer of atmosphere is near to earth's surface and it is also much denser than the upper layers.
- The temperature of the atmosphere decreases with increasing height at the rate of about $6.4^{\circ}\text{C per km}$.

(2) Composition of Atmosphere:

- Atmosphere is composed of 78% of Nitrogen, 21% of Oxygen and 1% of other gases.
- Air has weight and exerts pressure on earth's surface.
- The atmospheric pressure varies from place to place.
- Air near to earth's surface is dense and it gets lighter as we go higher.



(3) Uses of Atmosphere :

- Atmosphere provides oxygen to breathe.
- Atmosphere protects from harmful UV rays of sun.
- Atmosphere helps to maintain favourable temperature of the earth.
- All weather change takes place in the lower layer of Atmosphere.
- Atmosphere helps in different processes like water cycle, carbon cycle, Nitrogen cycle etc.