

## → Significance of Carbon cycle:

- The carbon cycle is essentially a perfect cycle in the sense that carbon is returned to the environment almost as rapidly as it is removed.
- The  $\text{CO}_2$  released due to biological oxidations in the atmosphere is utilised by the plants for the manufacture of food.
- An equilibrium is maintained between  $\text{O}_2$  and  $\text{CO}_2$  in the atmosphere.
- The  $\text{CO}_2$  liberated in the atmosphere due to nonbiological oxidations.
- That is combustion of fuels, forest fires, etc.
- Act as a heat screen over the earth that retards the radiations of earth's heat into space, thus affecting global climate.