

Chapter 15

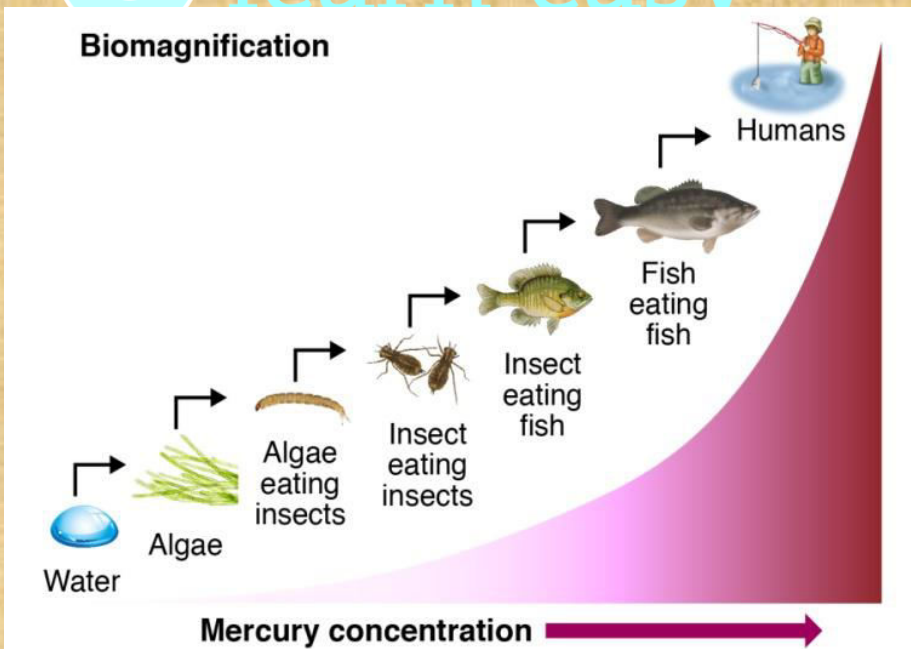
OUR ENVIRONMENT

Magnification and Ozone layer:

Bio Magnification:

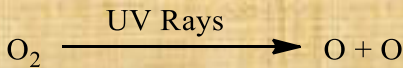
- It is defined as the concentration of harmful chemicals increases with every next trophic level in the food chain.

Ex. Maximum concentration of such chemicals gets accumulated in human bodies as human occupy top level in any food chain.



Ozone layer:

- It acts as a protective blanket around the earth by absorbing most of the UV radiations received from the sun, thus protecting the living beings from many health hazards such as skin cancer, destruction of plant and animal life.
- It is deadly poison in nature.
- The higher UV rays split the molecular oxygen (O_2) into free oxygen (O).



- These atoms then combine with molecular oxygen to form ozone.



Depletion of Ozone layers:

- Due to the usage of more amount of chlorofluorocarbons (CFC) in refrigerants and in fire extinguishers ozone layer is getting depleted.
- In 1987, the United Nations Environment Programme (UNEP) succeeded in forging an agreement to stop CFC production at 1986 levels (Kyoto protocol) by all countries.

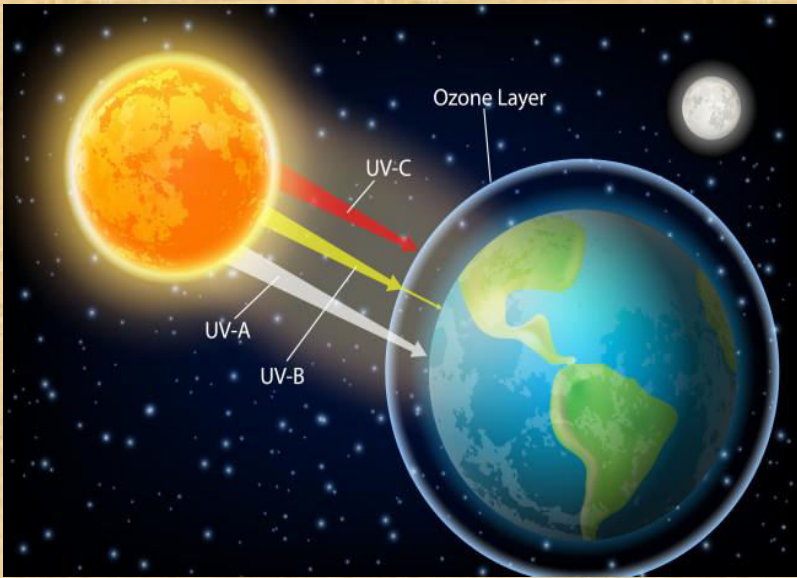


Fig. Ozone layer

