

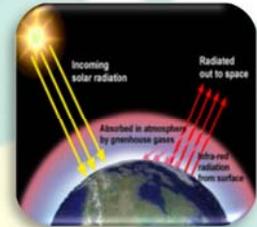
ENVIRONMENT

Environment is all surrounding factors affect and being affected by the human, including air, land, water, living organisms & non-living things.

Global environmental issues:

1- Greenhouse effect:

- A natural blanket of greenhouse gases in the atmosphere keeps the planet warm enough for life as we know it at comfortable 15°C today.
- Human-caused emissions of greenhouse gases (CO₂, CH₄, NO_x and fluorinated gas) have made the blanket thicker, trapping heat and leading to global warming.
- Fossil fuels are the single biggest source of human-generated greenhouse emissions.



2- Ozone depletion:

- Ozone is a gas that is naturally present in our atmosphere. Each ozone molecule contains three atoms of oxygen and is denoted chemically as O₃.
- Ozone layer extends upward from about 6 miles to 30 miles and protects life on earth from the sun's harmful ultraviolet (UV) rays.
- Gradually being destroyed by man-made chemicals (chlorofluorocarbons (CFCs), hydrochlorofluorocarbons (HCFCs), Halons, methyl bromide ... etc.
- Increased amounts of UV radiation to reach the earth which can lead to more cases of skin cancer, cataracts and impaired immune systems, and reduce crop yields..

3- Biodiversity:

- It is the variation of life forms within a given ecosystem or for the entire earth.
- There are multitude of benefits of biodiversity in food, drink, medicines & industrial materials... etc.
- During the last century, erosion of biodiversity has been increasingly observed due to human activities, in particular destruction of plant and animal habitats.
- About 27 locations at Egypt addressed as national protectorates to protect variation of life.



4- Pollution:

- It is the introduction into the environment of substances or energy liable to cause hazards to human health, harm to living resources and ecological systems, damage to structures or amenity or interference with the legitimate use of the environment.
- Pollution types include (Air, water, soil, noise, visual, thermal and radiation pollution).

