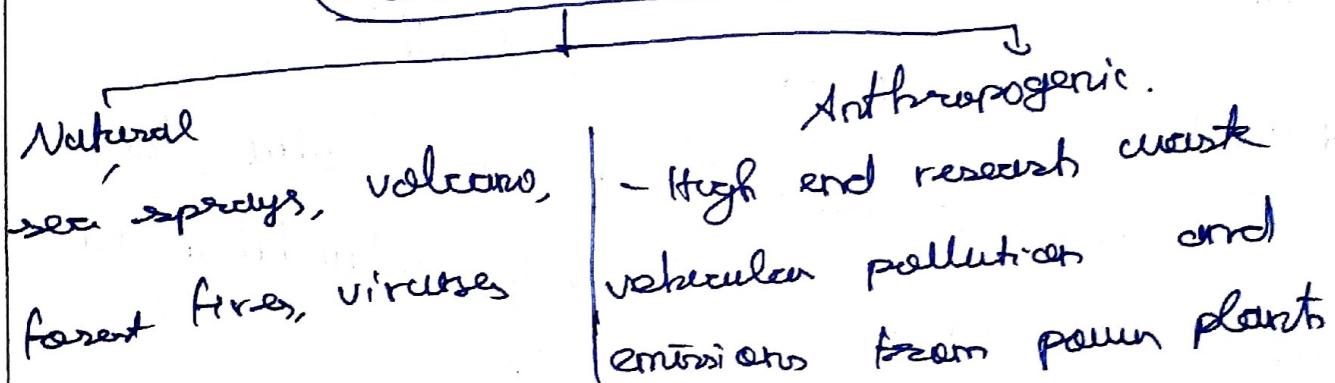


122
3

Nano particles induced air pollution is more harmful than PM 10/2.5 induced air pollution.

India saw the highest number of deaths due to air pollution in 2019. 2-3 million deaths as per Lancet Report. Now the nano pollution has taken precedence due to more importance to PM 10 and PM 2.5.

Nano Particle Pollution



The Central Pollution Control Board measures only the concentration of PM 10 and 2.5 and doesn't report about nano pollution.

Harmful effects of nano particle pollution.

As the particle size is 10^{-9} m it is difficult to track and prevent the nano pollution.

① Health: they are chemically reactive and can enter our system through touch or inhalation. It enters our blood stream and causes endothelial dysfunction.

It can clog the blood vessels and increase heart attack and stroke. Due to occupational causes it can cause lung cancer. Pre existing breathing problem patients are prone to death.

② Financial burden increases due to more insurance cases under Ayushman Bharat and treatment expenses.

Measures Pollution tracking satellites such as MODIS of NASA can be used by us. It can report the instances of noise pollution to the state pollution control boards. Noise pollution is an invisible danger which can worsen the burden of non-communicable diseases. Capacity building and monitoring can reduce fatalities.