





WBBCS 2022



SCIENCE

POLLUTION



LIVE 12:00 PM

01 MARCH 2022

12-15 times
more
dependent
Air

Environmental pollution is the effect of undesirable changes in our surroundings that have harmful effects on plants, animals and human beings.

- ✓ A substance, which causes pollution, is known as pollutant.
- ✓ Pollutants can be solid, liquid or gaseous substances present in greater concentration than in natural abundance and are produced due to human activities or due to natural happenings

TYPES OF POLLUTANTS

DEGRADABLE

Vegetables
sewage



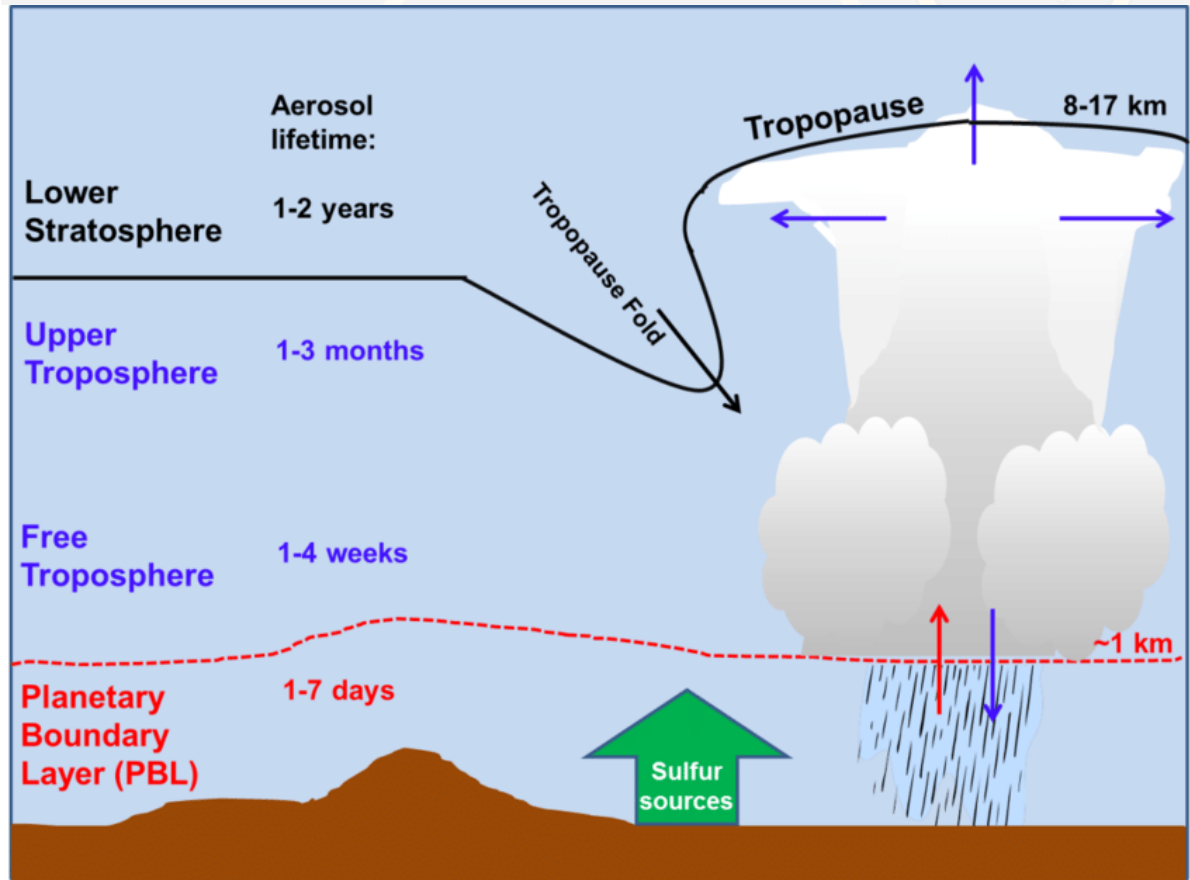
SLOWLY DEGRADABLE

Nuclear waste
DDT → Dichloro di-phenyl tri-chloro ethane
Plastic
Heavy metals

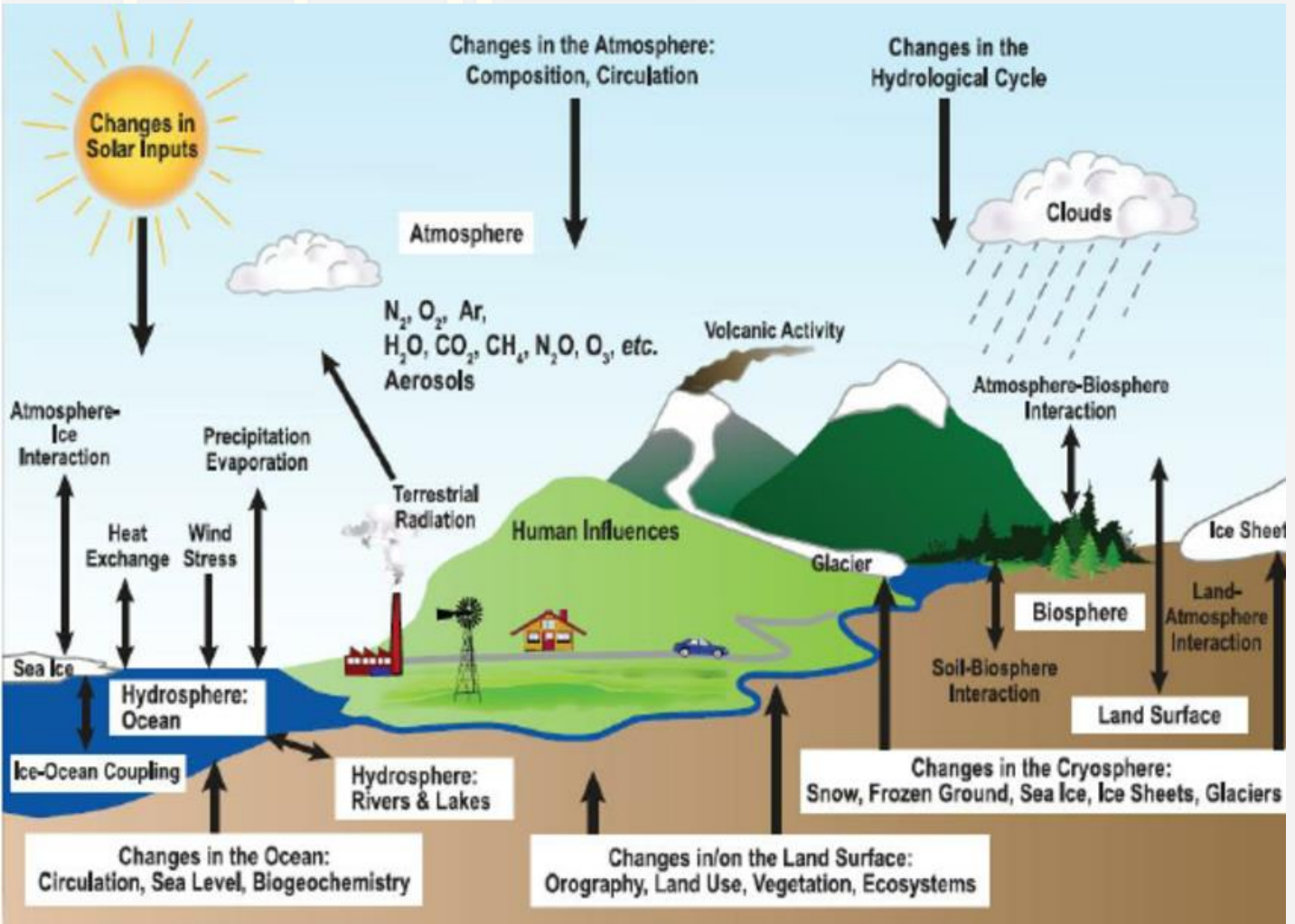


ATMOSPHERIC POLLUTION / Air Pollution

- ❑ The lowest region of atmosphere in which the human beings along with other organisms live is called troposphere. It extends up to the height of ~ 10 km from sea level.
- ❑ Above the troposphere, between 10 and 50 km above sea level lies stratosphere.



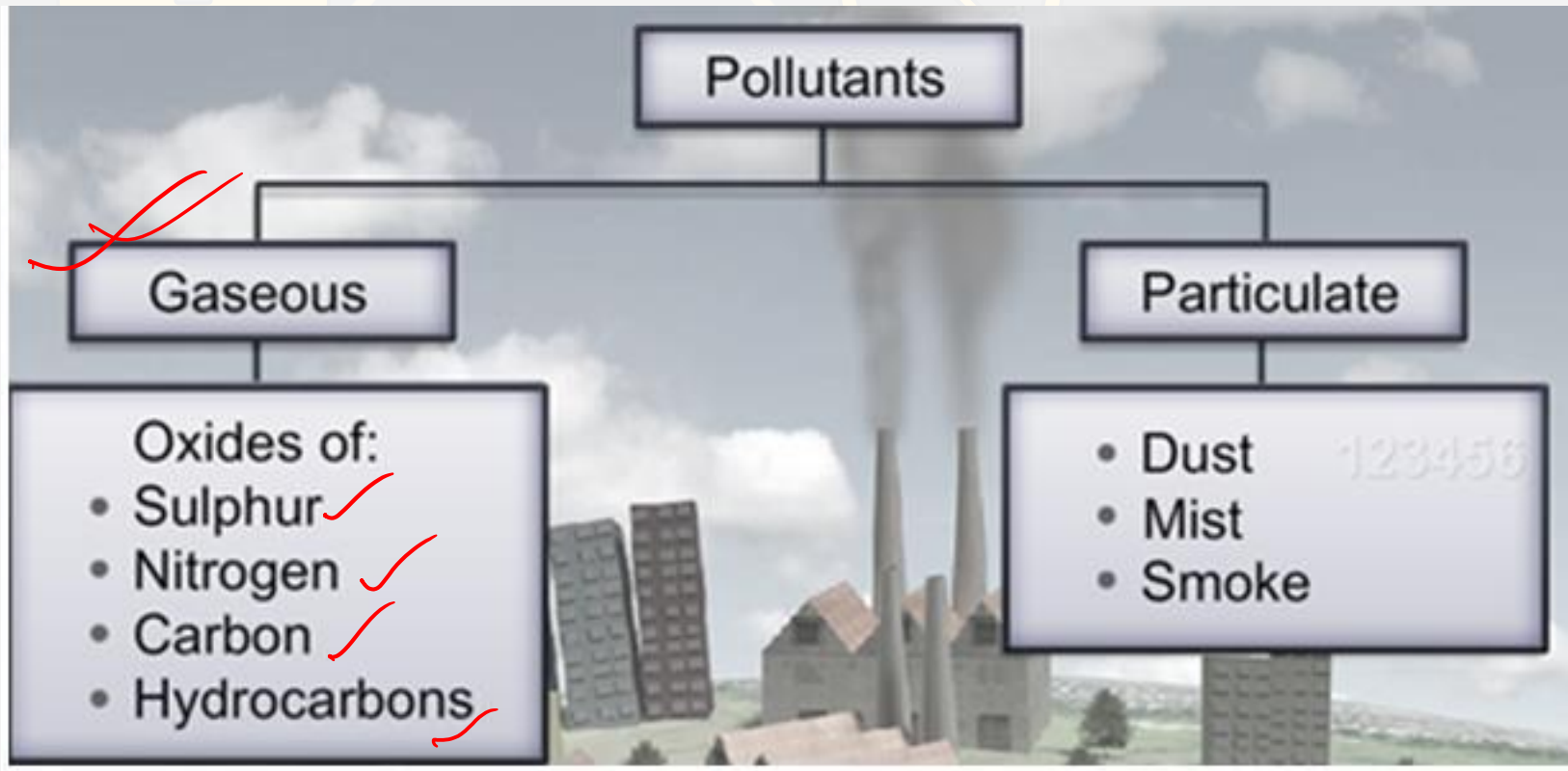
Atmospheric pollution is generally studied as tropospheric and stratospheric pollution.



TROPOSPHERIC POLLUTION

Tropospheric pollution occurs due to the presence of undesirable solid or gaseous particles in the air. *Dust*

The following are the major gaseous and particulate pollutants present in the troposphere:

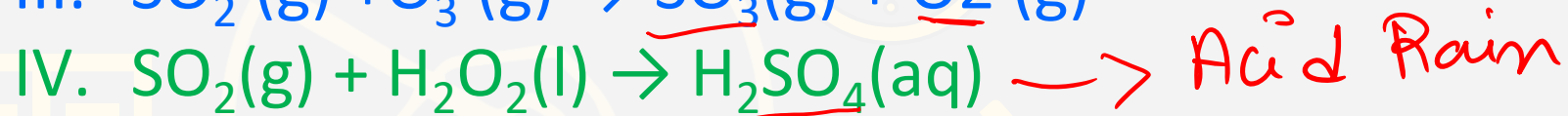
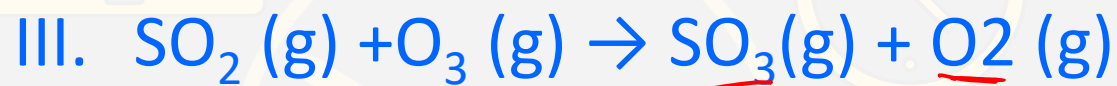


OXIDES OF SULPHUR

← SOURCE
FOSSIL Fuel Burn



II. The reaction can also be promoted by ozone and hydrogen peroxide.

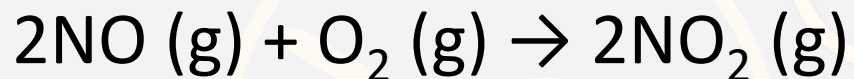


It has been reported that even a low concentration of sulphur dioxide causes respiratory diseases e.g., asthma, bronchitis, emphysema in human beings. Sulphur dioxide causes irritation to the eyes, resulting in tears and redness. High concentration of SO_2 leads to stiffness of flower buds which eventually fall off from plants.

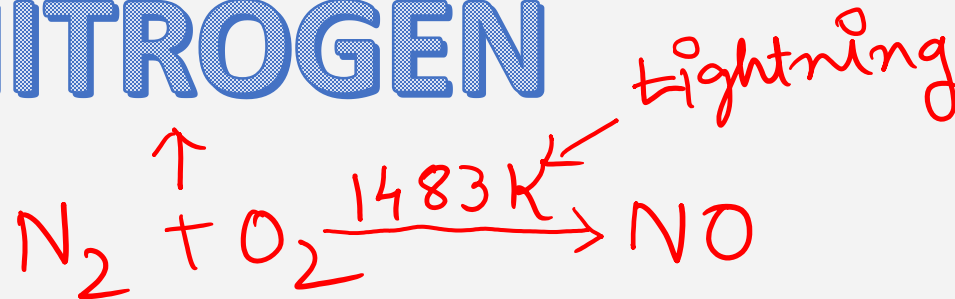
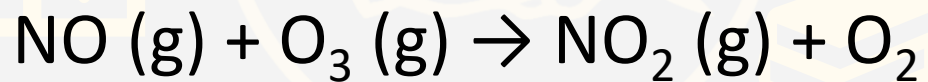
OXIDES OF NITROGEN



NO reacts instantly with oxygen to give NO_2



Rate of production of NO_2 is faster when nitric oxide reacts with ozone in the stratosphere.





WBCS BATCH 2022



SUMANA MAHENDRAS
(GS)



ANURAG MAHENDRAS
(GA/GS)



BORNON MAHENDRAS
(GA/GS)



SHIRSITA MAHENDRAS
(GA/GS)



VISHAL MAHENDRAS
(MATHS)



AYAN MAHENDRAS
(GS)



SRAYA MAHENDRAS
(ENGLISH)



NITESH MAHENDRAS
(REASONING)



MONDAY TO FRIDAY - 11:30 AM TO 1:30 PM

W.B.C.S - YouTube schedule for 5-days

TIMING	DAYS				
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:30	ECO	CA	ECO	POL	BEN
12:00	REAS	SCI	POL	SCI	CA
12:30	ENG	MATHS	ENG	MATHS	ENG
13:00	GEO	HIS	GEO	HIS	HIS



WBCS BATCH 2022



WBCS OFFLINE BATCH STARTS FORM

26TH FEBRUARY

TIMING - 1:30-5:30PM

BOOK YOUR SEAT NOW

9230141497/8017652045/6386903177/6291322109

