

ACID RAIN

(Acid Precipitation)



Normal precipitation:
pH 5.6 — 6.5
(Slightly Acidic)

Acid precipitation

pH = < pH 5.6
up to 4 — 4.5

2 types

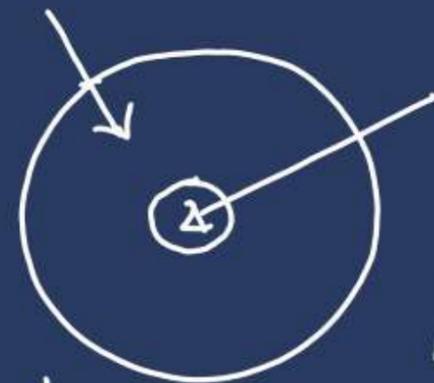
wet

- Rain
- Dew drops
- Snow

dry

- dust particles

impacted area



Nucleus
of
pollution

~ 1000 sq. km.

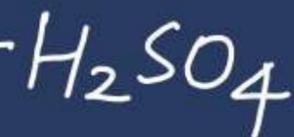
(affected area)

Main properties

- pH : lower than 5.6

- Dry or Wet

- Localised impact (~ 1000 sq. km)



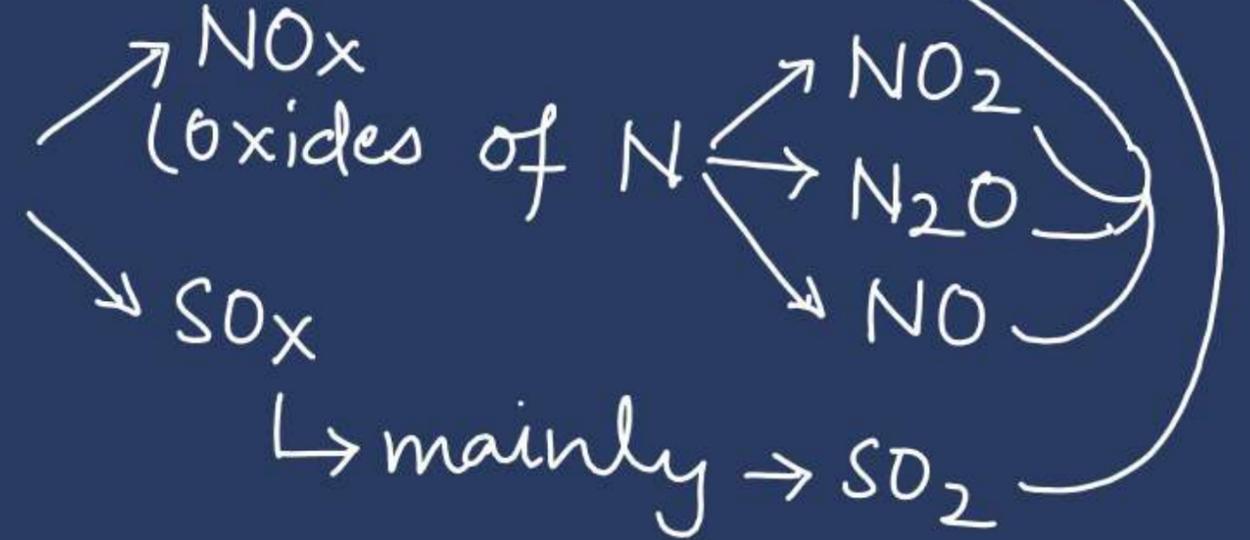
Process

Fossil fuel combustion

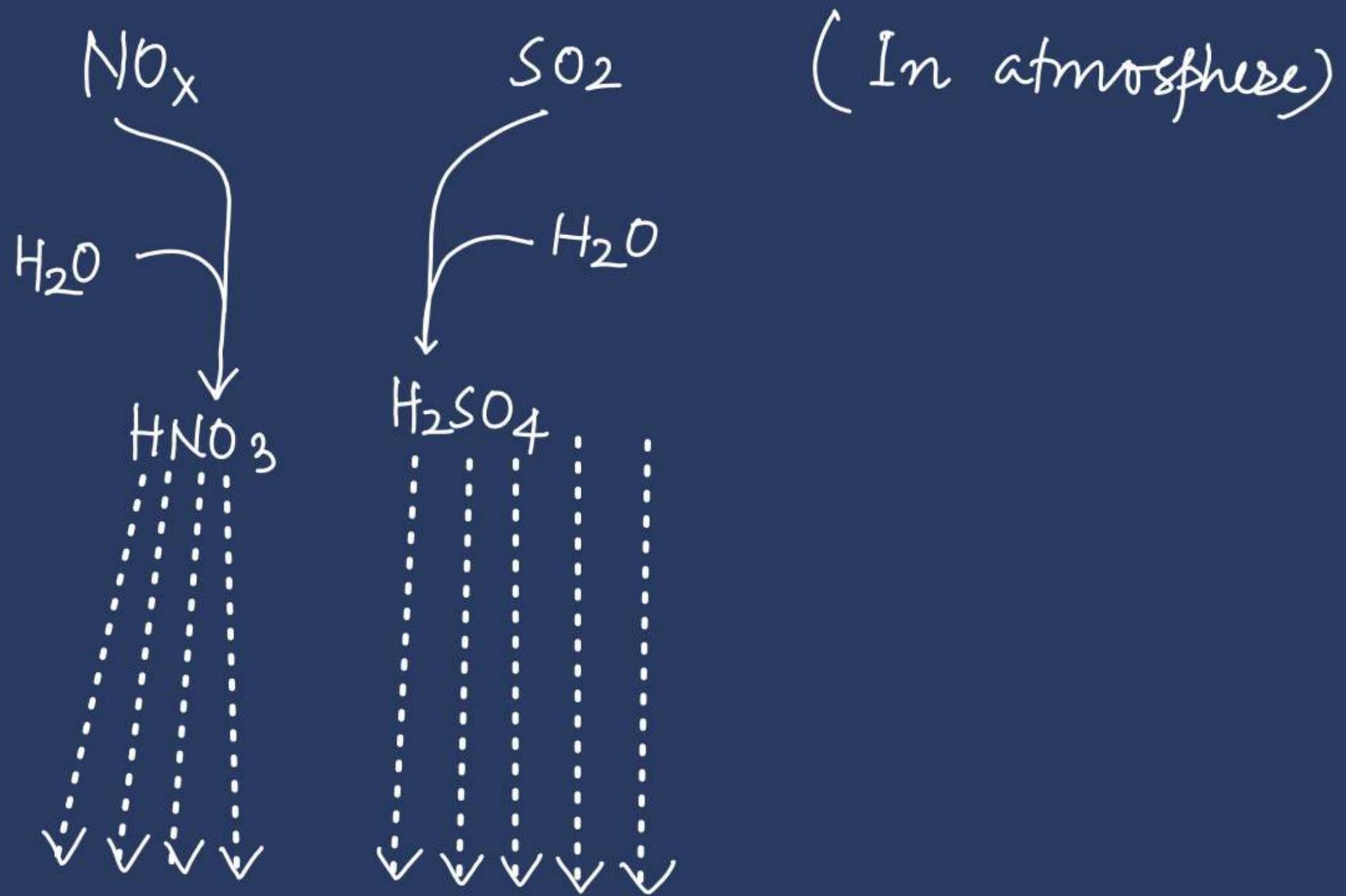
- Coal
- Petrol
- Diesel

O_2

Release of



(all have N & S
as impurities)



Acidic Precipitation

Causes

Man-made

- Fossil fuel combustion

Power gen.

Transport

Industries

Household use

- Wood & Biomass burning

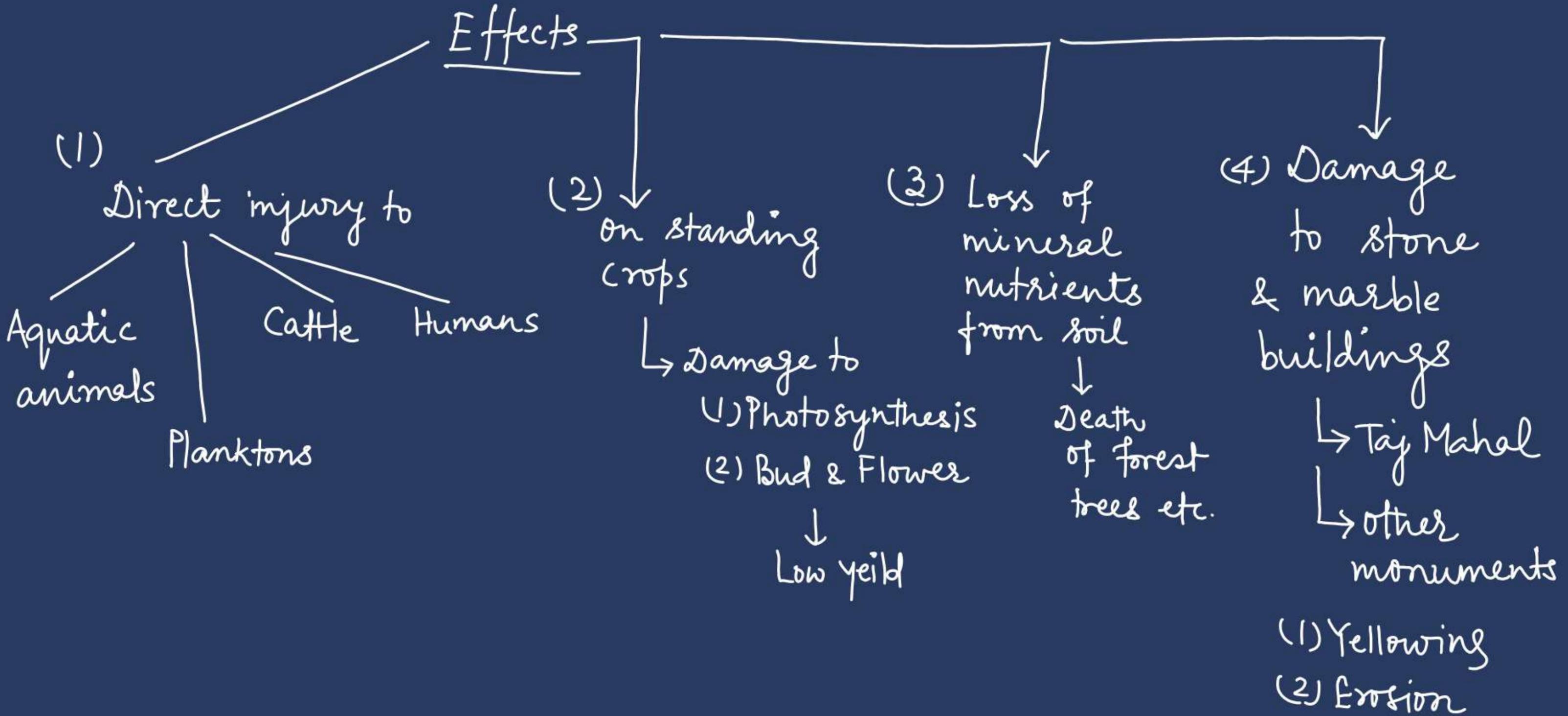
- Refining of petroleum crude

Natural causes

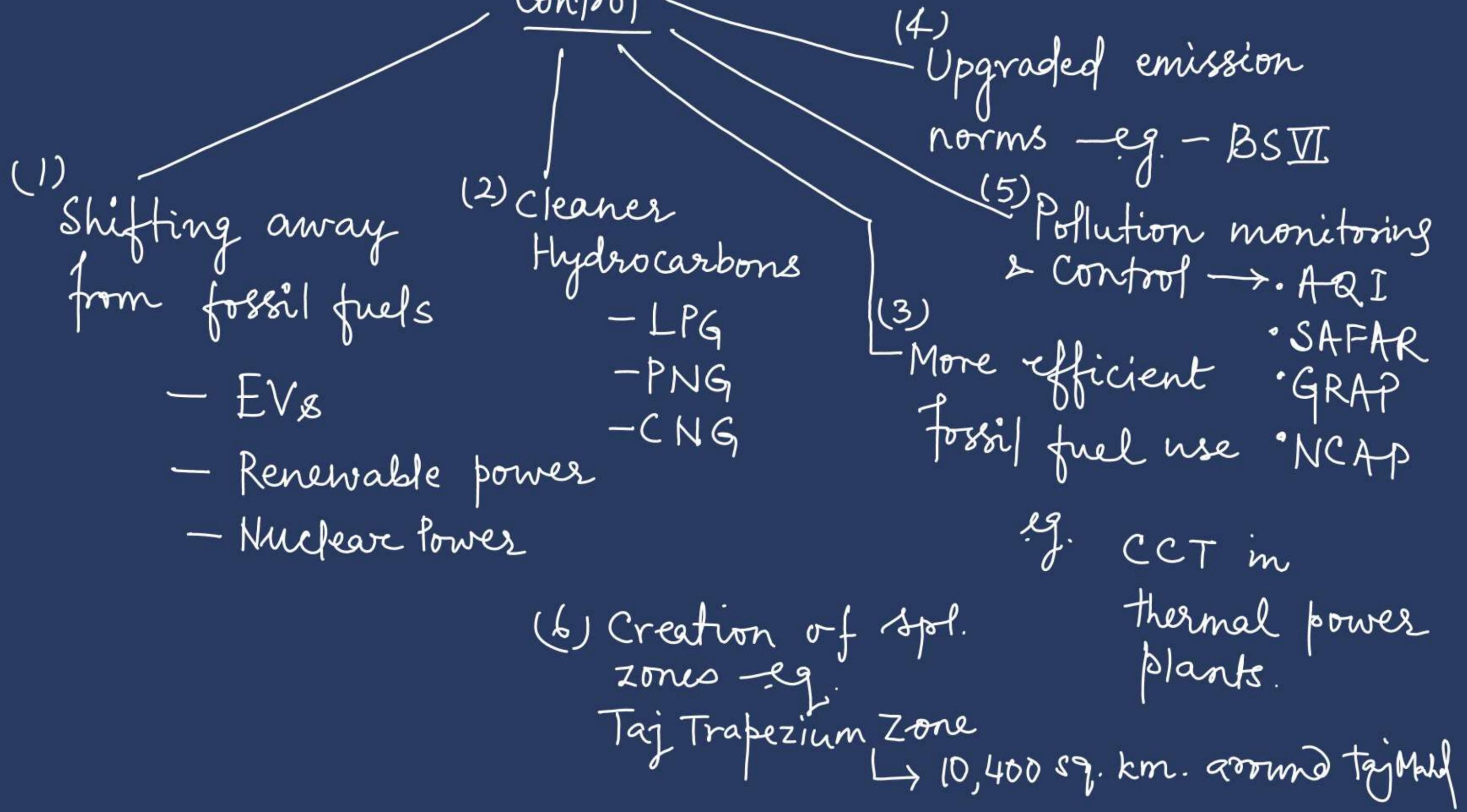
- Volcanic eruptions

- Forest fires

- Rotting biomass



Control



② P.D.F.

Themes related to Air Pollution