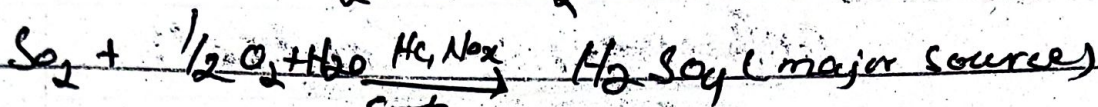


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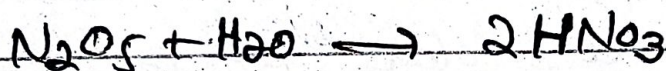
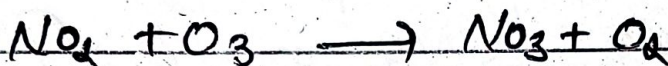
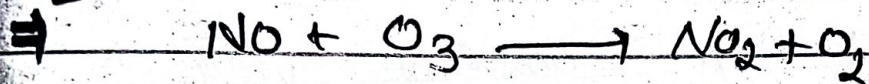
Acid Rain:

→ Ph = less than 5.6

sources: 1st $S + O_2 \rightarrow SO_2$



2nd: Nitrogen oxide ^{Scat} _{political}



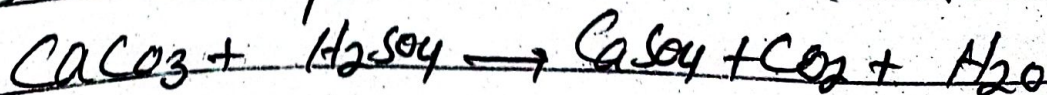
3rd: HCl is third source. Conc. of HCl is higher ^{in acid rain} in volcanic region.

Effects:

1. Destruction of flora and fauna aquatic life.

2. Growth retardation of plants and trees - damage to leaves.

3. Damages/dissolves marbels, limestone ~~and~~ etc. - Sulphates destruction.



→ Mechanical strength of marbels

destroy due to which beauty of these destroy

Control/Prevention:

Anthropogenic Control:

1) Control the emission of oxides of Sulphur.

⇒ Control the oxides of Sulphur by following ways:-

1) Removal of sulphur from fuel before burning (Carbonization or Coking etc).

2) Burning of low 'S' content fuel.

3) Biodiesel.

4) Alternate Energy resources.

5) Scrubbers.

2) ~~Control the Emission of NOx:~~

2) Control the emission of NOx:

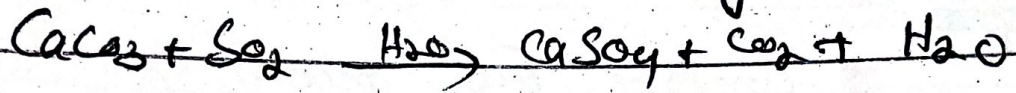
Engine modification by decreasing the conc. of NOx by reacting with

i) Scrubber (a reagent) which stops

NOx production.

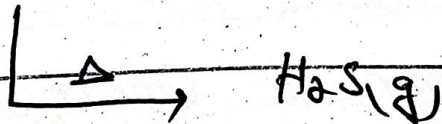
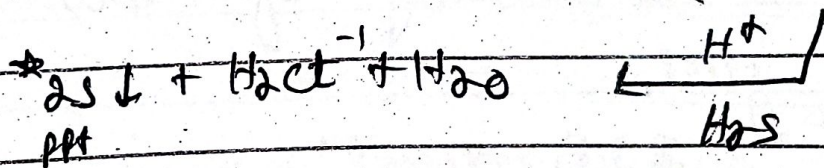
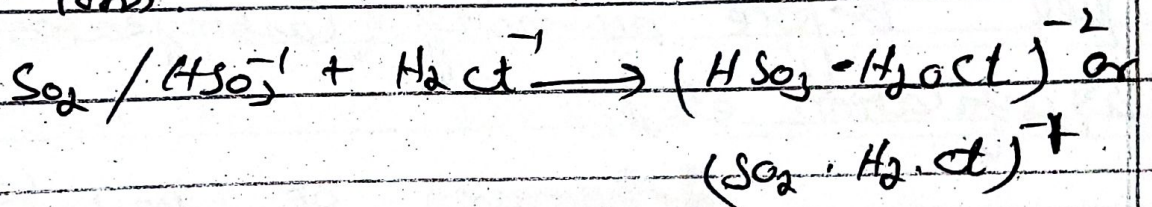
ii) Decreases burning of fossil fuels.

SO_2 can be controlled by scrubbers:-



(disposal issue)

⇒ To remove sulphur by absorbing it in citrate ions



⇒ Coal has much sulphur content

90% Sulphur is converted in H_2S gas and other 10% dumed in sand, and

this method is more useful than by

using scrubber to control the content

of sulphur.