

Uses of Sulfur

- In the manufacture of sulfuric acid through the "Contact process"
- For vulcanising ~~rubber~~ rubber (a process which makes rubber harder and more elastic).
- Used to make drugs, pesticides, etc.

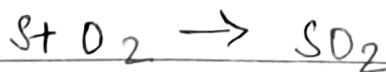
CONTACT PROCESS

- Sulfuric acid is synthesised by the contact process.
- ~~Contact~~ contact process involves the following steps:-
 - STEP 1: To make sulfur dioxide
 - STEP 2: Converting sulfur dioxide $\rightarrow$ sulfur trioxide.
 - STEP 3: Converting sulfur trioxide $\rightarrow$ sulfuric acid

Process in detail

STAGE 1:-

- Sulfur^{di}oxide can be made by burning sulfur in air (oxidation of sulfur).



STAGE 2:-

- The sulfur dioxide thus formed is allowed to combine with oxygen in the presence of Vanadium pentoxide (V_2O_5) as the catalyst to produce sulfur trioxide (SO_3).