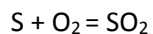


How can i create dilute sulphuric acid with sulphur powder.

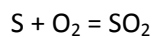
**Solution:**

The process of receipt of sulphuric acid from sulphur includes three stages:

- 1) incineration of sulphur at surplus of air :

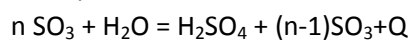


- 2) contact the oxidation of  $SO_2$  to  $SO_3$ :



A process passes with by a catalyst on the basis of vanadium oxide  $V_2O_5$  and at a temperature  $420-550^{\circ}C$ .

- 3) absorption of  $SO_3$ :



if  $n < 1$ , we get diluted sulfuric acid.