

## Answer on Question #44176, Chemistry, Other

### Question:

why is preparation of sulphuric acid called contact process?

### Answer:

The stage of oxidation of  $\text{SO}_2$  is carried out at 400-500 °C in contact tower where  $\text{V}_2\text{O}_5$  is filled in different pipes.  $\text{SO}_2$  here contacts with the catalyst and reacts with air ( $\text{O}_2$ ) to produce  $\text{SO}_3$ . Under above conditions 98%  $\text{SO}_2$  is converted into  $\text{SO}_3$ .



Vanadium pentoxide ( $\text{V}_2\text{O}_5$ ) catalyst is used to increase rate of reaction.