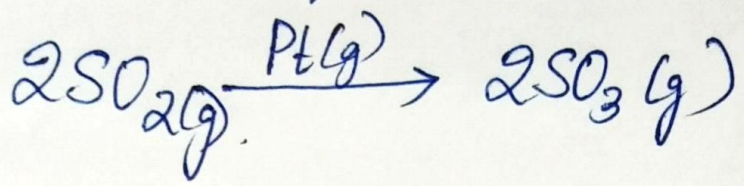


Question 5.19:-

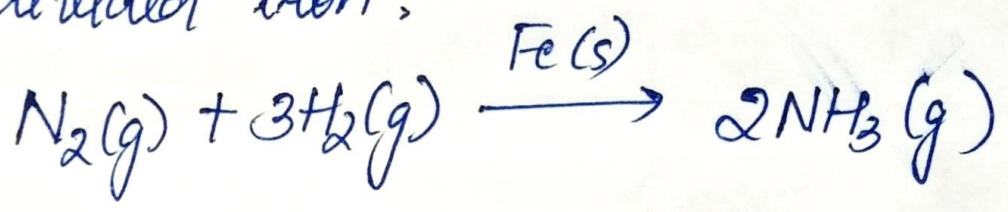
Give 4 examples of heterogeneous catalysis.

Answer:-

i) Oxidation of  $\text{SO}_2$  to form  $\text{SO}_3$ .

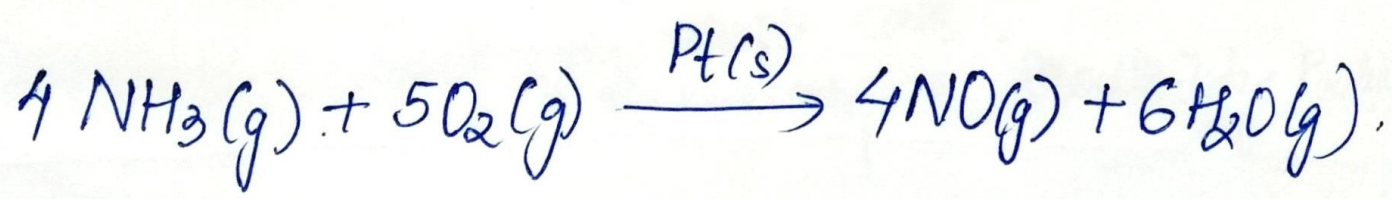


ii) Formation of  $\text{NH}_3$  by the combination of  $\text{N}_2$  and  $\text{H}_2$  in the presence of finely divided iron.



iii) This process is called Haber's process.

iv) Ostwald's process:- Oxidation of  $\text{NH}_3$  to  $\text{NO}$  in presence of Platinum.



v) Hydrogenation of vegetable oils in presence of Ni.

