



→ With catalyst, the activation energy is lowered due to different reaction pathway

→ Therefore, now there is greater "proportion" of molecules with energy equal or greater than activation energy. [Refer Figure 3]

→ Greater number of collisions are now successful. Therefore Rate of Reaction increases

→ Unlike Temperature, presence of catalyst does NOT alter the shape of curve

→ Total area under curve remains constant since total number of molecules are constant.

→ However, area of shaded region increases because more molecules now have $E \geq E_A$.