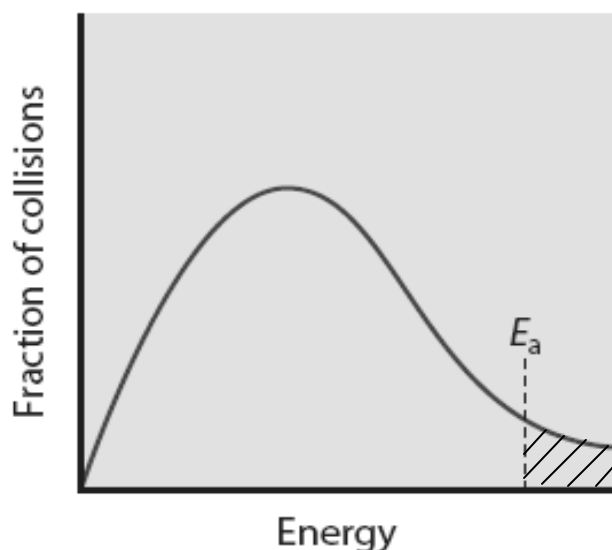


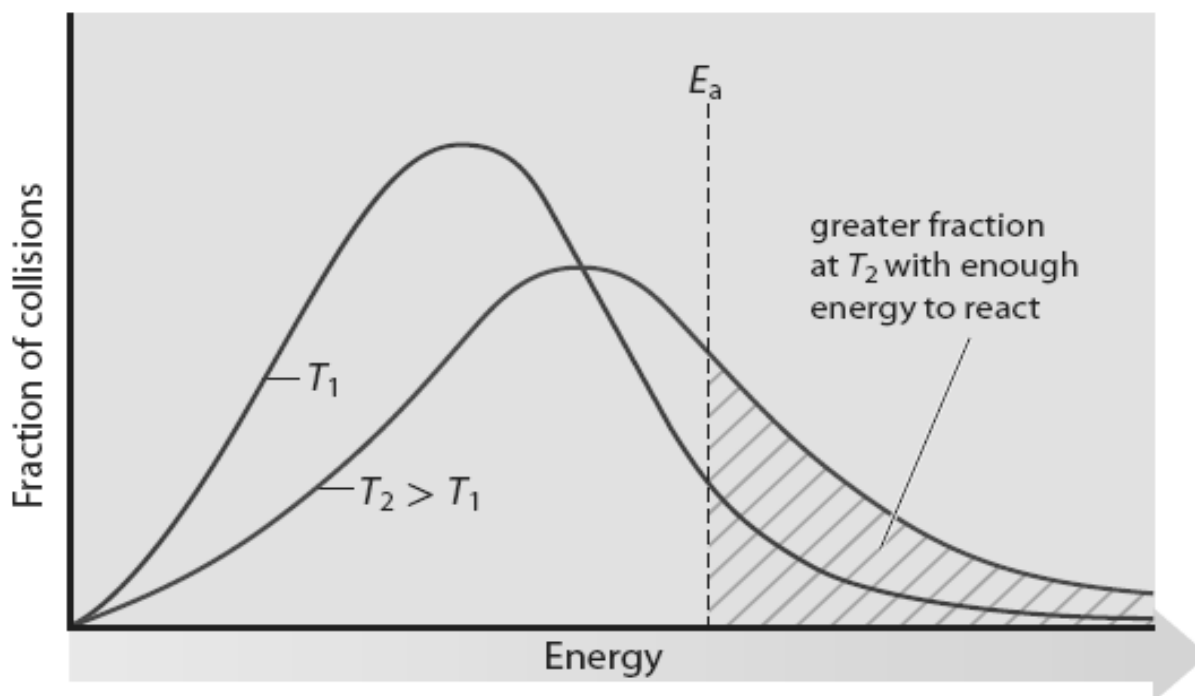
# Temperature and Activation Energy

## Effective Collisions



The area under a Maxwell-Boltzmann distribution graph represents the distribution of the kinetic energy of collisions at a constant temperature. At any given temperature, only a certain fraction of the molecules in a sample have enough kinetic energy to react.

## Effective Collisions and Temperature



At increased temperatures, more particles collide with enough energy to react.