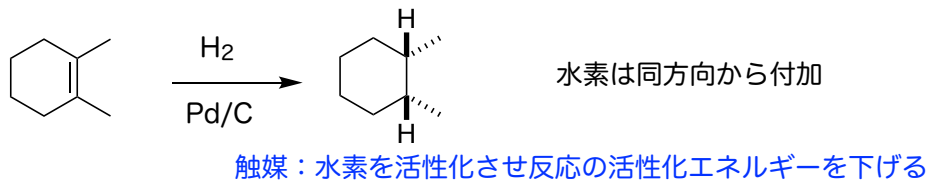
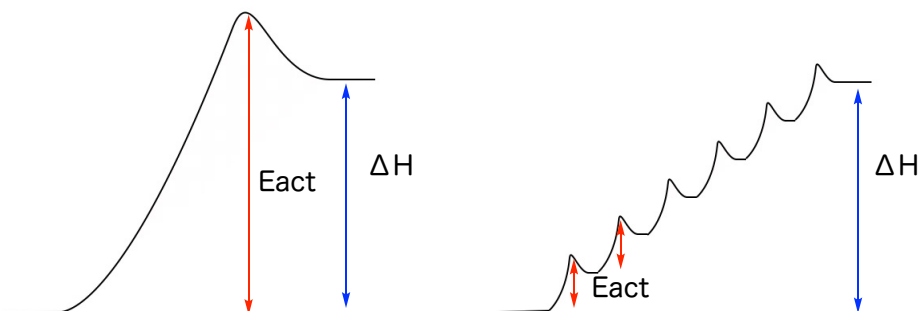


3.9 反応の記述：触媒

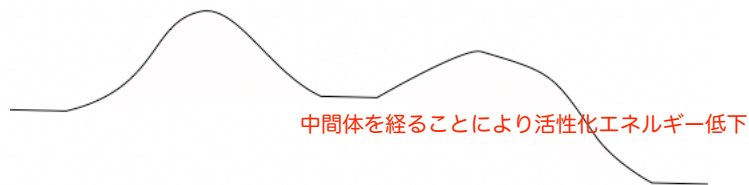
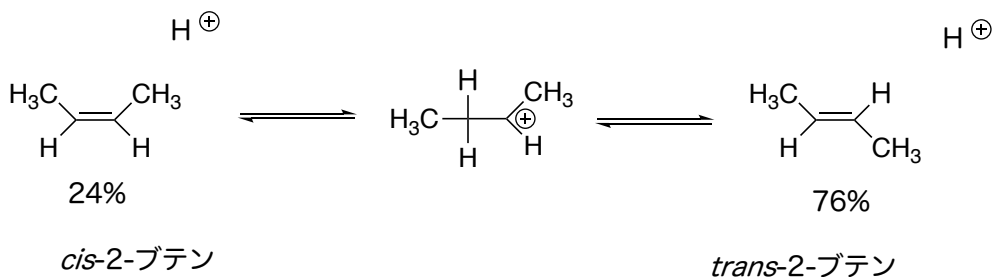
○金属触媒を使う接触水素化



○はしごや階段を使えば二階に登れるわけ



○酸触媒による2-ブテンの異性化



$$\text{平衡定数 } K = \frac{\text{trans-2-ブテンの個数}}{\text{cis-2-ブテンの個数}} = 76/24 > 1 \quad \text{右向き有利な反応}$$