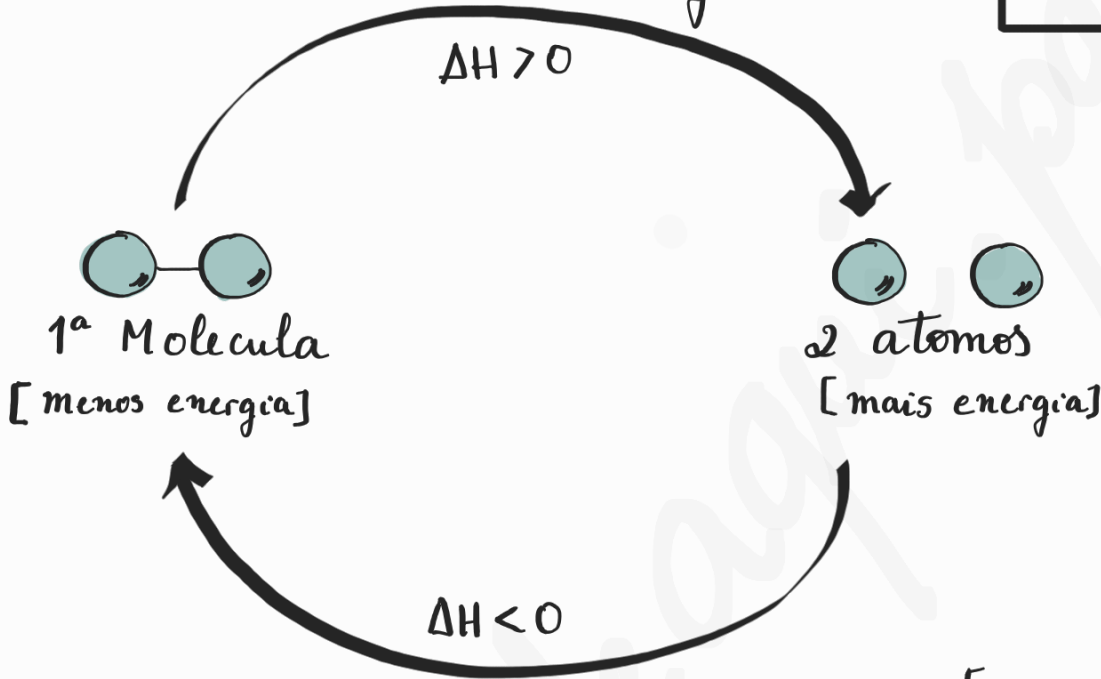
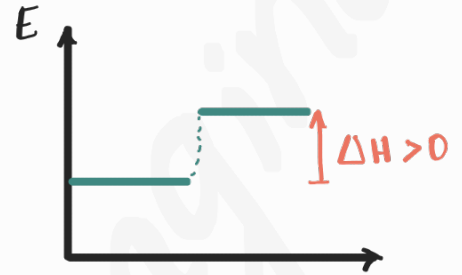
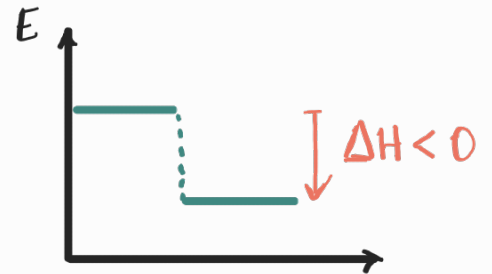


Reações endo e exoenergéticas

Endoenergética
ruptura de ligações
absorção de energia

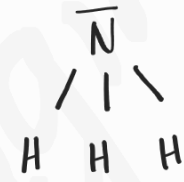
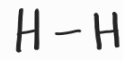
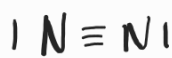
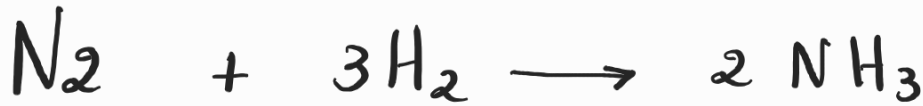


formação de ligações
libertação de energia
Exoenergética



Variaco de Entalpia (ΔH) de uma reaco

Reaco de sntese do amoniac



ligaces para quebrar

(+)

ligaces para formar

(-)

$$\Delta H = E(\text{N} \equiv \text{N}) + 3 \times E(\text{H}-\text{H}) - 6 \times E(\text{H}-\text{N})$$

↑ valores tabelados

Reaco Endotrmica $\Delta H > 0$

Energia envolvida na quebra de ligaces > Energia envolvida na formaco de ligaces

Reaco Exotrmica $\Delta H < 0$

Energia envolvida na quebra de ligaces < Energia envolvida na formaco de ligaces