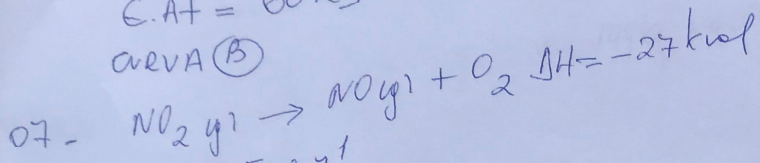


06 - $\Delta H = H_p - H_R$
 $\Delta H = 30 - 10 = +20 \text{ kJ}$
 $\epsilon_{AT} = 60 \text{ kJ}$
 curva B



A) $V = k \cdot [\text{NO}_2]^1$

B) EXOTERMICA, $\Delta H < 0$

C) $1 \text{ mol NO}_2 \xrightarrow{46 \text{ g}} 1 \text{ mol O}_2 \xrightarrow{22,4 \text{ L}}$
 $10 \text{ mol NO}_2 \xrightarrow{460 \text{ g}} X \text{ L}$
 $X = 224 \text{ L}$

08) A) CATALISADOR

C) B) ATÉ 30°C A VELOCIDADE AUMENTA, APO
 30°C A VELOCIDADE DIMINUI POR O CORRE
 DENATURALIZADO DE ENZIMAS.

EXTRA

	[A]	[B]	V
x2	(1.10 ⁻³)	x4	(3.10 ⁻⁵)
x2	(2.10 ⁻³)	(1.10 ⁻³)	(12.10 ⁻⁵)
(2.10 ⁻³)	(2.10 ⁻³)	(2.10 ⁻³)	(48.10 ⁻⁵)

$V = k \cdot [A]^x \cdot [B]^y$
 $4 = (2)^x \cdot (2)^y \Rightarrow 2^2 = 2^x \cdot 2^y \Rightarrow 2^2 = 2^{x+y} \Rightarrow x+y=2$
 $4 = (2)^x \cdot (2)^y \Rightarrow 2^2 = 2^x \cdot 2^y \Rightarrow 2^2 = 2^{x+y} \Rightarrow x+y=2$

$V = k \cdot [A]^2 \cdot [B]^2$
 $3 \cdot 10^{-5} = k \cdot (1 \cdot 10^{-3})^2 \cdot (1 \cdot 10^{-3})^2$
 $k = \frac{3 \cdot 10^{-5}}{10^{-10}} = 3 \cdot 10^7$