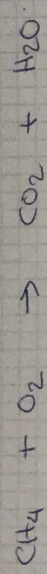


Pag 126 ejercicio 16 El gas natural (metano) se quema ----.

metabol + oxigênio $\rightarrow$ dióxido de carbono + água.



323	X	443	363
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$$32 + x = 44 + 36$$

$$32 + x = 803$$

$$x = 80 - 32$$

$x = 48 \text{ g}$ oxygen

COMPROBADA LAVASIER.

CONFEREBA LAWISIER

$$\text{HgCO}_3 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$$
$$\frac{243}{243} + \frac{12}{12} + \frac{16 \cdot 3}{16 \cdot 3} = \frac{44}{44} + \frac{18}{18}$$
$$= 84,3$$

P

$$\text{HgCO}_3 \rightarrow \text{CO}_2 + \text{H}_2\text{O}$$

$$\frac{243 + 12 + 16 \cdot 3}{44} = \frac{12 + 16 \cdot 2 + 243 + 16}{44} + \frac{4013}{44}$$

$$\begin{array}{r} \text{CaCO}_3 \rightarrow \underbrace{40+12+16 \cdot 3}_{100} \\ \text{CaO} + \text{CO}_2 \rightarrow \underbrace{40+16}_{56} + \underbrace{16 \cdot 2+12}_{44} \\ \rightarrow 100 \text{ u} = 100 \text{ u} \end{array}$$

$$\begin{array}{r} \text{C}_6\text{H}_6 + \text{Cl}_2 \rightarrow \text{C}_6\text{H}_5\text{Cl} + \text{HCl} \\ \hline 12.6 + 1.6 + 35.2 \quad \quad \quad 12.6 + 1.5 + 3.5 + 1 + 2.5 \\ 78 \quad + \quad 70 \quad \quad \quad 112 \quad + \quad 36 \end{array}$$

$$\begin{array}{rcl} \text{S} & + & \text{Fe} \\ & & \uparrow \\ & & \text{FeS} \\ 32 & + & 55 \\ & & \hline & & 87 \end{array}$$

$$32 + 55 = 55 + 32$$