

Formula molecular

Ejercicios

$$1) \begin{aligned} C &= 40 \text{ g} / 12 \text{ g/mol} = 3.33 \div 3.33 = 1 \\ H &= 6.4 \text{ g} / 1 \text{ g/mol} = 6.4 \div 3.33 = 2 \\ O &= 53.3 \text{ g} / 16 \text{ g/mol} = 3.33 \div 3.33 = 1 \end{aligned}$$

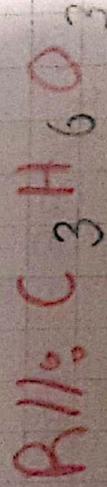
$$C = 12 \times 1 = 12$$

$$H = 1 \times 2 = 2$$

$$O = 16 \times 1 = 16$$

$$30$$

$$n = 90 \text{ g} / 30 = 3$$



2)

$$C = 37.8 \text{ g} / 12 \text{ g/mol} = 3.15 \div 1.59 = 1$$

$$H = 6.3 \text{ g} / 1 \text{ g/mol} = 6.3 \div 1.59 = 3$$

$$Cl = 55.8 \text{ g} / 35 \text{ g/mol} = 1.59 \div 1.59 = 1$$

$$C = 12 \times 1 = 12$$

$$H = 1 \times 3 = 3$$

$$Cl = 35 \times 1 = 35$$

50

$$12 + 3 + 35 = 50$$

