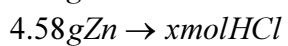
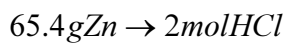
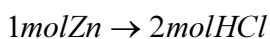
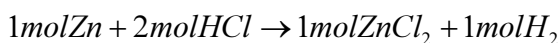
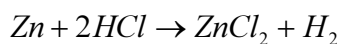


5. Koja zapremina rastvora hlorovodonične (hloridne) kiseline (količinske) koncentracije $1,75 \text{ mol dm}^{-3}$ je potrebna za reakciju sa 4,58 g cinka ? Podaci: $A_r(\text{Zn}) = 65,4$



$$x = \frac{4,58 \text{ g Zn} \cdot 2 \text{ mol HCl}}{65,4 \text{ g Zn}}$$

$$x = 0,14 \text{ mol HCl}$$

$$c(\text{HCl}) = \frac{n}{V}$$

$$V = \frac{n}{c(\text{HCl})}$$

$$V = \frac{0,14 \text{ mol}}{1,75 \frac{\text{mol}}{\text{dm}^3}}$$

$$V = 0,08 \text{ dm}^3 \text{ rastvora HCl}$$

$$V = 80 \text{ cm}^3 \text{ rastvora HCl}$$