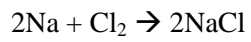


In the complete reaction of 18.17 g of sodium with 36.90 g of chlorine, what mass of sodium chloride is formed?



$$v(\text{Na}) = \frac{18.17}{23} = 0.79\text{mol}$$

$$v(\text{Cl}_2) = \frac{36.9}{71} = 0.52\text{mol}$$

$$v(\text{NaCl}) = 0.79\text{mol}$$

$$m(\text{NaCl}) = 46.215\text{g}$$

$$\underline{m=46.215\text{ g}}$$