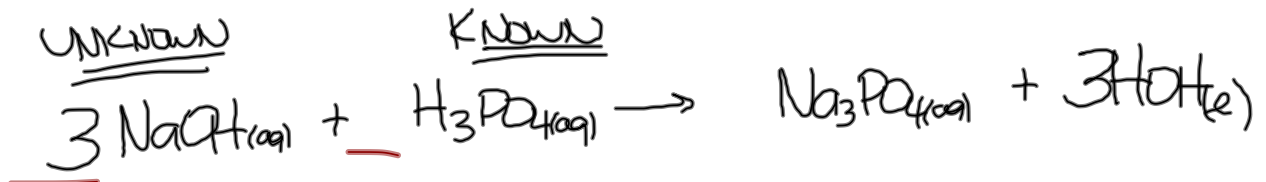


Homework - Worksheet



$$V = ? \quad \cancel{V} = 29.5 \text{ mL}$$

$$C = 0.27 \text{ M} \quad \cancel{C} = 0.55 \text{ M}$$

$$0.0295 \text{ L H}_3\text{PO}_4 \times \frac{0.55 \text{ mol H}_3\text{PO}_4}{1 \text{ L H}_3\text{PO}_4} = 0.0162 \text{ mol H}_3\text{PO}_4$$

$$0.0162 \text{ mol H}_3\text{PO}_4 \times \frac{3 \text{ mol NaOH}}{1 \text{ mol H}_3\text{PO}_4} = 0.0487 \text{ mol NaOH}$$

$$0.0487 \text{ mol NaOH} \times \frac{1 \text{ L NaOH}}{0.27 \text{ mol NaOH}} = \boxed{0.18 \text{ L NaOH}}$$

Solution Stoichiometry Worksheet