

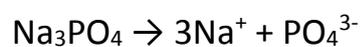
Answer to Question #53029 – Chemistry – General chemistry

How many moles of Na_3PO_4 in solution?

$$c = \frac{n}{V}$$

$$n = c \cdot V$$

$$n_{\text{Na}_3\text{PO}_4} = 0.35 \frac{\text{mol}}{\text{L}} \cdot 0.042\text{L} = 0.0147 \text{ mol}$$



$$n_{\text{Na}^+} = 3 \cdot n_{\text{Na}_3\text{PO}_4} = 3 \cdot 0.0147 \text{ mol} = 0.0441 \text{ mol}$$

Answer: 0.0441 mol