



$$M = 82.5 \text{ g}$$

$$V = 0.4 \text{ sl}$$

$$PM = 46$$

$$12 \cdot 2 = 24$$

$$1 \cdot 6 = 6$$

$$16 \cdot 1 = 16$$

$$M = \frac{82.5}{(46)(0.45)} = \frac{82.5}{20.7} = 3.98 \text{ M}$$

2

$$V = 1000 \text{ ml} = 7 \text{ L}$$

$$n = 4.78 \text{ mol}$$

$$M = 0.682 \text{ M}$$

3

$$n = 0.10 \text{ g/m}$$

$$M = 0.05 \text{ M}$$

$$n = \frac{3.65}{36.5} = 0.10 \text{ M}$$

$$m = \frac{0.10}{2} = 0.05 \text{ M}$$

A

$$V = 0,250 \text{ L}$$

$$N = 0,500 \text{ mL}$$

$$M = 2 \text{ m}$$

$$N = \frac{49 \cdot 0,4 \text{ g}}{98 \text{ g/mol}} = 0,500 \text{ mL}$$

$$V = \frac{250}{1000} = 0,250 \text{ L}$$

$$M = \frac{0,500 \text{ M}}{0,250 \text{ L}} = 2 \text{ M}$$