1. 20 ml of 0.4M hydrochloric acid was needed to neutralise 40 ml of NaOH. How many grams of NaOH were added to the 40 ml of NaOH to make this solution?

2. 35 ml of 0.25M phosphoric acid was used to neutralise 15 ml of NaOH.

$$H_3PO_4 + 3NaOH \rightarrow Na_3PO_4 + 2H_2O$$

a. What is the concentration of the NaOH?

b. How many grams of water were produced?

16+1

1. 20 ml of 0.4M hydrochloric acid was needed to neutralise 40 ml of NaOH. How many grams of NaOH were added to the 40 ml of NaOH to make this solution?

 $HCI + NaOH \rightarrow NaCI + H_2O$

$$M_aV_a = M_bV_b$$

$$M_b = \frac{MaVa}{Vb}$$

$$= 0.4 \times 20$$

$$M = \frac{n}{L}$$

$$=0.2\times0.04$$

mass = moles x molar mass

- 2. 35 ml of 0.25M phosphoric acid was used to neutralise 15 ml of NaOH. = 0.08×40 $H_3PO_4 + 3NaOH \rightarrow Na_3PO_4 + 2H_2O$
 - a. What is the concentration of the NaOH?

Triproficació.

$$3M_{a}V_{a} = M_{b}V_{b}$$

$$M_{b} = \frac{3M_{a}V_{q}}{V_{b}} = \frac{3 \times 0.25 \times 35}{15} = 1.75M N_{a}OH_{-}$$

b. How many grams of water were produced?

Phosphone acid

. Make ratio according to equi

1:Z

mass = males x molar me