

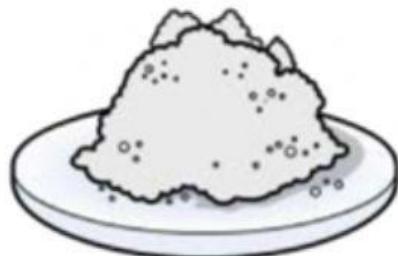
1. When an acid reacts with a base, a neutralisation reaction occurs, producing a salt. Using the following equation, name the salts that are produced in the acid-base reactions.



a) hydrochloric acid + ammonia  $\rightarrow$  .....

b) nitric acid + sodium hydroxide  $\rightarrow$  .....

c) phosphoric acid + potassium hydroxide  $\rightarrow$  .....



2. There are three other ways of making salts from acids. Complete the following equations to illustrate them.

a) acid + metal  $\rightarrow$  salt + .....

b) acid + .....  $\rightarrow$  salt + water

c) acid + carbonate  $\rightarrow$  salt + ..... + water

3. Use the above information to complete the following reactions that form soluble salts using acids.

a) iron oxide + sulfuric acid  $\rightarrow$  ..... + water

b) ..... + hydrochloric acid  $\rightarrow$  magnesium chloride +  $\text{H}_2\text{O}$  +  $\text{CO}_2$

c) zinc + .....  $\rightarrow$  zinc nitrate + hydrogen

4. Name two ways in which salt is used by humans in everyday life.