



Reactions of metal, acid, alkali and carbonate

15 Questions

NAME : _____

CLASS : _____

DATE : _____

1. Metals and acids react to form

- a) Salt and hydrogen
- b) Salt and water
- c) Carbon dioxide, salt and water
- d) Hydrogen only

2. Magnesium + hydrochloric acid-->

- a) Magnesium chloride + water
- b) Magnesium chloride + hydrogen
- c) Magnesium hydrochloride + hydrogen
- d) Magnesium chloride + water + carbon dioxide

3. Zinc + sulfuric acid -->

- a) Zinc sulfide + hydrogen
- b) Zinc sulfate + hydrogen
- c) Zinc sulfate + Water +Carbon dioxide
- d) Zinc sulfide + water

 **LIVEWORKSHEETS**

4. Iron + hydrochloric acid -->

- a) Iron chloride + hydrogen
- b) Iron chloride + carbondioxide
- c) Iron hydroxide + acid
- d) Iron chloric + hydrogen

5. How do we test for hydrogen?

- a) Gives a pop sound using lighted splint
- b) Hydrogen extinguishes a lit splint
- c) Bubbling through lime water
- d) Hydrogen makes a glowing splint relight

6. Metal carbonates react with acid to form....

- a) Salt, carboxylic acid and water
- b) Salt, carbon dioxide and water
- c) Salt and carbonated water
- d) Salt and hydrogen

7. Calcium carbonate + hydrochloric acid -->

- a) Calcium chloride + hydrogen
- b) Calcium choride + water
- c) Calcium chloride + carbon dioxide + water
- d) Calcium sulfate + carbon dioxide + water

8. Copper carbonate + hydrochloric acid -->

a) Copper chloride + hydrogen b) Copper chloride + water

c) Copper chloride + water + hydrogen d) Copper chloride + water + carbondioxide

9. Which salt will be produced if copper carbonate react with hydrochloric acid....

a) Copper carbonate b) Copper chloride

c) Water d) Carbon dioxide

10. What gas is always produced when carbonates reacts with acids?

a) Oxygen b) Hydrogen

c) Carbon dioxide d) Nitrogen

11. What gas is always produced when a metal reacts with acid?

a) Oxygen b) Hydrogen

c) Carbon dioxide d) Nitrogen

12. What metal salt is produced when aluminium reacts with nitric acid?

- a) Copper hydroxide
- b) Aluminium oxide
- c) Aluminium
- d) Aluminium nitrate

13. Which salt will be produced if magnesium react with hydrochloric acid?

- a) Magnesium oxide
- b) Magnesium sulfate
- c) Magnesium sulfide
- d) Magnesium chloride

14. Which of the following neutralisation reactions produces a gas of carbon dioxide?

- a) Hydrochloric acid and metal oxide
- b) Nitric acid and metal hydroxide
- c) Sulfuric acid and metal
- d) Nitric acid and metal carbonate

15. Sulfuric acid + Calcium hydroxide =

- a) Calcium acid + water
- b) Calcium sulfate + water
- c) Sulfur hydroxide + water
- d) Calcium carbonate + hydrogen