

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

4. Iron + hydrochloric acid -->

☐ a) Iron chloride + hydrogen

☐ c) Iron hydroxide + acid

☐ b) Iron chloride + carbondioxide

☐ d) Iron chloric + hydrogen

5. How do we test for hydrogen?

☐ a) Gives a pop sound using lighted splint

☐ c) Bubbling through lime water

☐ b) Hydrogen extinguishes a lit splint

☐ d) Hydrogen makes a glowing splint relight

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

☐ a) Salt, carboxylic acid and water

☐ c) Salt and carbonated water

☐ b) Salt, carbon dioxide and water

☐ d) Salt and hydrogen

7. Calcium carbonate + hydrochloric acid -->

☐ a) Calcium chloride + hydrogen

☐ c) Calcium chloride + carbon dioxide +
water

☐ b) Calcium choride + water

☐ d) Calcium sulfate + carbon dioxide + water

8. Copper carbonate + hydrochloric acid -->

- | | |
|--|---|
| <input type="checkbox"/> a) Copper chloride + hydrogen | <input type="checkbox"/> b) Copper chloride + water |
| <input type="checkbox"/> c) Copper chloride + water + hydrogen | <input type="checkbox"/> d) Copper chloride + water + carbondioxide |

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

- | | |
|--|---|
| <input type="checkbox"/> a) Copper carbonate | <input type="checkbox"/> b) Copper chloride |
| <input type="checkbox"/> c) Water | <input type="checkbox"/> d) Carbon dioxide |

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

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> a) Oxygen | <input type="checkbox"/> b) Hydrogen |
| <input type="checkbox"/> c) Carbon dioxide | <input type="checkbox"/> d) Nitrogen |

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

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> a) Oxygen | <input type="checkbox"/> b) Hydrogen |
| <input type="checkbox"/> c) Carbon dioxide | <input type="checkbox"/> 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