

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 -->

- | | |
|--|---|
| ☐ 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 |