



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject : Chemistry** Answers of Worksheet-2 **Class IX**
- **Date : 12.05.2020**

- **Chapter: Acid, bases and salts**
- **Answer the following questions (MCQ) :** **(1×15)**

• Question 1

Q. Metals that react quickly/strongly with water and acids are called?

answer choices

Reactive

Unreactive

Dangerous

Corrosive

Answer Reactive

• Question 2

Q. What are the reactants for the reaction of metal with water?

Metal + water ----> metal hydroxide + hydrogen

answer choices

Metal

Water

Metal and water

Metal hydroxide and hydrogen

Answer metal and water

• Question 3

Q. What are the products for the reaction of metal with water?

Metal + water ----> metal hydroxide + hydrogen

answer choices

Metal

Water

Metal and water

Metal hydroxide and water

Answer metal hydroxide and water

• Question 4

Q. How can you tell that a metal is reacting with water?

[answer choices](#)

Colour change

Bright light

Fizzing

It gets colder

Answer fizzing

• Question 5

Q. How can you test to show that when a metal reacts with water, hydrogen gas is produced?

[answer choices](#)

Relights a glowing splint

A lit splint produces a squeaky pop

Puts out a burning splint

Is cold to the touch

Answer a lit splint produce a squeaky pop

• Question 6

Q. What metal hydroxide is produced when magnesium reacts with water?

[answer choices](#)

Copper hydroxide

Magnesium oxide

Magnesium

Magnesium hydroxide

Answer Magnesium hydroxide

Question 7

Q. What gas is always produced when a metal reacts with water?

[answer choices](#)

Oxygen

Carbon dioxide

Hydrogen

Carbon monoxide

Answer- Hydrogen

Question 8

Q. What gas is produced when sodium reacts with water?

[answer choices](#)

Hydrogen

Carbon dioxide

Carbon monoxide

Water vapour

Answer- Hydrogen

Question 9

Q. What gas is produced when a metal reacts with an acid?

[answer choices](#)

Water vapour

Acidic gas

Hydrogen

Nitrogen

Answer Nitrogen

• Question 10

Q. Which metal is most likely to react with water or acid?

[answer choices](#)

Copper

Potassium

Magnesium

Iron

Answer Potassium

• Question 11

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

[answer choices](#)

Magnesium oxide

Magnesium sulfate

Magnesium sulfide

Magnesium chloride

Answer Magnesium chloride

• Question 12

Q. What are the reactants for the reaction of metal with acid?

Metal + acid \rightarrow metal salt + hydrogen

answer choices

Hydrogen

Metal salt

Metal

Metal and acid

- Answer. Metal and acid

• Question 13

Q. What are the products for the reaction of metal with acid?

Metal + acid \rightarrow metal salt + hydrogen

answer choices

Metal salt and hydrogen

Metal salt

Metal

Acid

Answer Metal salt and hydrogen

Question 14

Q. What can you conclude if a metal doesn't fizz when added to water or an acid?

answer choices

It has low reactivity

It may react with a stronger acid

It has high reactivity

There is no metal present

Answer It may react with a stronger acid

Question 15.

Q. Metals, except Al and Zn, react with oxygen to form _____ oxides.

A. acidic

B. neutral

C. amphoteric

D. basic

Answer: (D) basic

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