



# ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject : Chemistry** 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

- 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

- 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

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

answer choices

Colour change

Bright light

Fizzing

It gets colder

- 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

Question 6.

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

answer choices

Copper hydroxide  
Magnesium oxide  
Magnesium  
Magnesium hydroxide

Question 7

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

answer choices

Oxygen  
Carbon dioxide  
Hydrogen  
Carbon monoxide

Question 8

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

answer choices

Hydrogen  
Carbon dioxide  
Carbon monoxide  
Water vapour

Question 9

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

answer choices

Water vapour  
Acidic gas  
Hydrogen  
Nitrogen

- Question 10

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

answer choices

Copper  
Potassium  
Magnesium  
Iron

- Question 11

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

answer choices

Magnesium oxide  
Magnesium sulfate  
Magnesium sulfide  
Magnesium chloride

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- 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

- 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

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

2 Zn, react with oxygen to form \_\_\_\_\_ oxides.

A. acidic

B. neutral

C. amphoteric

D. basic

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