ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

- **Subject :Chemistry** **Worksheet- 6** **Class IX**
- **Date 16.05.2020**
- **Chapter: Atom,molecules and radicals**
- **Answer the following questions (MCQ) :** **(1×15)**

- Question1

Q. A neutralization reaction will (almost) always produce...

answer choices

water & salt

water

salt

water & carbon

- Question 2

Q.
A type of chemical that forms solutions that taste sour, due to high concentrations of positive hydrogen ions

answer choices

acid

base

salt

pH

- Question 3

Q.
What is considered to be in the middle of the pH scale

answer choices

acidic

neutral

basic

indicator

- Question 4

  Q. If there is excess hydrogen ions, the solution will be...

  answer choices

acidic

basic

- Question 5

  Q. If there is excess hydroxide ions, the solution will be...

  answer choices

acidic

basic

- Question 6

  Q. Identify the salt in the following equation:
  $Zn(OH)_2 + HNO_3 \text{ ---> } H_2O + Zn(NO_3)_2$

  answer choices

$Zn(OH)_2$

HNO_3

H_2O

$Zn(NO_3)_2$

- Question 7

  Q. NaCl is a ...

  answer choices

acid

base

salt

water

- Question 8

  Q. In a ____ reaction, an acid and a base produce a salt and a water.

  answer choices

  concentrated

  decomposition

  dilute

  neutralization

- Question 9

  Q.
  Complete the following reaction:
  $HCl + Mg(OH)_2$ -->

  answer choices

  $MgCl_2 + H_2O$

  $Mg + H_2O$

  $MgCl_2 + H_2$

  $MgCl_2 + H_2O + CO_2$

- Question 10

  Q.
  Complete the following reaction:
  $H_3PO_4 + NaOH$ -->

  answer choices

  $Na_3PO_4 + H_2O$

  $Na + H_2O$

  $Na_3PO_4 + H_2$

  $Na_3PO_4 + H_2O + CO_2$

- Question 11

  Q.

Complete the following reaction:
$HNO_3 + Ca(OH)_2$ -->

answer choices

$Ca(NO_3)_2 + H_2O$

$Ca + H_2O$

$Ca(NO_3)_2 + H_2$

$Ca(NO_3)_2 + H_2O + CO_2$

- Question 11

Q.
A type of chemical that forms solutions that taste sour, due to high concentrations of positive hydrogen ions

answer choices

acid

base

salt

pH

- Question 12

Q. Identify the salt in the following equation:
$Zn(OH)_2 + HNO_3$ ---> $H_2O + Zn(NO_3)_2$

answer choices

$Zn(OH)_2$

HNO_3

H_2O

$Zn(NO_3)_2$

- Question 13

Q. What are the products to a neutralization reaction?

answer choices

H_2 + Ionic Salt

H_2O + Ionic Salt

H_3O^+ + Ionic Salt

OH^- + Ionic Salt

- Question 14

  Q.
  Complete the following reaction:
  $HCl + Mg(OH)_2$ -->

  answer choices

  $MgCl_2 + H_2O$

  Mg +H_2O

  $MgCl_2 + H_2$

  $MgCl_2 + H_2O + CO_2$

- Question 15

  Q. $Ca(OH)_2$ is an example of a(n)

  answer choices

  Acid

  Base

  Neutral
  Teacher-Piyali Halder