

Choose the correct choice and write your answer in the table below

1) Which of the following is an extensive property of matter?

- (A) Melting point (B) Temperature (C) Volume (D) Density
-

2) What is the volume in cm^3 of a 2.50 g piece of metal whose density is 6.72 g/cm^3 ?

- (A) 16.8 (B) 2.69 (C) 0.0595 (D) 0.372
-

3) Which one is not metal?

- (A) Sulfur (B) Sugar (C) Nitrogen (D) All of (A,B,C)
-

4) How many neutrons in a hydrogen isotope has a mass number equals 2?

- (A) 0 (B) 1 (C) 2 (D) 3
-

5)

6)

7)

8) A temperature of 0.00°F is almost the same as.....

- (A) 273 K (B) 255 K (C) -57.6 K (D) -17.8 K
-

9) Which one is a molecular compound?

- (A) SrO (B) SO_2 (C) $(\text{NH}_4)_2\text{SO}_4$ (D) NiSO_4
-

10) These atoms ^{72}Zn , ^{75}As and ^{74}Ge have.....

- (A) The same number of electrons
 - (B) The same number of protons
 - (C) The same number of neutrons
 - (D) The same mass numbers
-

11) What is the correct name for $\text{Mn}_3(\text{PO}_4)_2$?

- (A) trimanganese diphosphate
 - (B) Manganese (II) phosphate
 - (C) Manganese (III) phosphate
 - (D) Manganese (II) phosphide
-

12) Which is the correct formula of lithium sulfide?

- (A) Li_2S
 - (B) LiS
 - (C) LiSO_4
 - (D) Li_2SO_4
-

13) The chemical name for ClO_3^- is "chlorate ion". Therefore, the name of HClO_3 is.....

- (A) Perchloric acid
 - (B) Chloric acid
 - (C) Chlorous acid
 - (D) Hypochlorous acid
-

14) What is the number of electrons in the $^{54}_{26}\text{Fe}^{2+}$ ion?

- (A) 26
 - (B) 28
 - (C) 2
 - (D) 24
-

15) Identify the INCORRECT statement:

- (A) Helium is an element
 - (B) Paint is a mixture
 - (C) Milk is a compound
 - (D) Mercury is an element
-