

BISRAT PRIMARY SCHOOL 2015 E.C 1st SEMESTER GRADE 8 GENERAL SCIENCE WORK SHEET

Name _____ Grade & section: _____

I. Choose the correct answer from the given four alternatives by reading the question dispassionately and then write only the letter of your choice on the space provided! (1pt each)

_____ 1. Which one of the following is an example of indigenous measuring units of **volume**?

- A. Jog B. Feresula C. Arm span D. weget

_____ 2. How many grams are there in 0.55 kg?

- A. 55 B. 550 C. 5500 D. 5.5

_____ 3. Which one is the smallest unit?

- A. mm B. cm C. m D. km

_____ 4. The prefix that represents 0.000001 is _____

- A. micro B. Mega C. centi D. milli

_____ 5. Which one is true about fundamental and derived quantities?

- A. Fundamental quantities cannot be expressed in terms of any other quantities.
B. Derived quantities are derived from fundamental quantities.
C. Derived quantities depend on one or more fundamental quantities.
D. All

_____ 6. The SI unit of density is: _____

- A. Kg/m² B. g/m³ C. g/m² D. Kg/m³

_____ 7. The IS unit of area is _____

- A. m² B. m³ C. m D. cm²

_____ 8. The first step of scientific method is _____

- A. ask question B. analyze C. Communication result D.

Hypothesis

_____ 9. An atom is 'indivisible'. This idea was proposed by:

- A. Aristotle B. Democritus C. Dalton D. None

_____ 10. Which one of the following is not fundamental sub-atomic particle?

- A. Proton B. Neutron C. Electron D. Neutral

_____ 11. Which of the following particle located in the **outer part of an atom**?

- A. Proton B. Neutron C. Electron D. All

_____ 12. Which of the following molecule is **molecule of compound**?

- A. Oxygen B. Water C. phosphorus D. Chloride

_____ 13. The number of proton and electron in ¹⁴₇N respectively are:

- A. 7 & 7 B. 7 & 14 C. 14 & 7 D. None

_____ 14. Which of the following statement is **true**?

- A. Molecules of element consist of only one type of atoms.
B. Nucleus is massive part of an atom.
C. There are 5 atoms in CaCO₃.
D. All of the above are true

_____ 15. Which of the following molecule is **diatomic molecule**?

- A. Hydrogen B. Helium C. Argon D. Neon

_____ 17. Which of the following molecule is molecule of elements?

- A. H₂O B. NO₂ C. H₂SO₄ D. H₂

_____ 18. The general formula of Alkane is:

- A. C_nH_{2n} B. C_nH_{2n-2} C. C_nH_{2n+1} D. C_nH_{2n+2}

_____ 19. Which one of the following is the molecular formula of **octane**?

- A. C_8H_{18} B. C_8H_{14} C. C_8H_{20} D. C_8H_{16}

_____ 20. What is the name of the compound C_2H_4 ?

- A. Ethyne B. Ethene C. Ethane D. None

_____ 21. Which one of the following reactions neutralization reaction?

- A. $2HCl + Ca(OH)_2 \rightarrow CaCl_2 + 2H_2O$ B. $H_2SO_4 + 2NaOH \rightarrow Na_2SO_4 + 2H_2O$
 C. $H_2SO_4 + Ca(OH)_2 \rightarrow CaSO_4 + 2H_2O$ D. All

_____ 22. A student burned a certain substance in air and put the product into water; the solution turned red litmus paper to blue. The product obtained by the student was:

- A. basic oxide B. An acid C. An acidic oxide D. A neutral oxide

_____ 23. The characteristic property of a base is due to the presence of:

- A. hydride ions B. hydroxide ions C. hydrogen ions D. all

_____ 24. What is the missing product 'X' in the following reaction? $Mg + H_2SO_4 (aq) \rightarrow X + H_2$

- A. $MgSO_4$ B. H_2 C. $NaCl$ D. SO_4

_____ 25. Which one of the following compound is strong acid and strong base respectively?

- A. H_2SO_4 and $NaOH$ B. HCl and KOH C. HNO_3 and $NaOH$ D. All

_____ 26. Which one of the following is **not** neutralization reaction?

- A. $2NaOH + H_2SO_4 \rightarrow Na_2SO_4 + 2H_2O$ B. $2HCl + Ca(OH)_2 \rightarrow CaCl_2 + 2H_2O$
 C. $Ca(OH)_2 + H_2SO_4 \rightarrow CaSO_4 + H_2O$ D. $Ca + H_2CO_3 \rightarrow CaCO_3 + H_2$

_____ 27. Which one of the following is oxide?

- A. CaO B. CH_4 C. KOH D. HCl

_____ 28. Which of the following salt is used for making gun powder?

- A. $NaHCO_3$ B. $CaCO_3$ C. KNO_3 D. $MgCO_3$

_____ 29. Which one of the following is the property of acids?

- A. Acids have bitter taste. B. Acids change phenolphthalein to red.
 C. Acids have a "**sour**" taste. D. Acids neutralize acid.

_____ 30. What is the chemical formula of nitric acid?

- A. H_2SO_4 B. HNO_3 C. HCl D. H_2CO_3

_____ 31. The type of alkali which is used to cure bee stings and ant bites is:_____

- A. HCl B. baking powder ($NaHCO_3$) C. $CaCO_3$ D. CaO

_____ 32. One of the following is function of skin?

- A. Serving as an enclosing barrier B. Producing pigment
 C. Providing environmental protection D. All

_____ 33. Which one is heart muscle?

- A. Skeletal muscle B. Smooth muscle C. Cardiac muscle
 D. All

_____ 34. Which one is an injury to a muscle or a tendon the fibrous tissue that connects muscles to bones?

A. Muscular dystrophy B. Muscle strain C. skin disease D. All

_____35. Which one is a skin disease that is characterized by a red, fluid-filled blister usually found near the mouth?

A. Carbuncle B. Chicken pox C. Cold sore D.

Wart

_____36 How many bones are there in adult human body?

A. 106 B. 200 C. 206

D. 260

Prepared by: DA & EB
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