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XI/SCIENCE/2017-18

OLYMPIAD PRACTICE WORKSHEET - 2

- An animal that eats a predominantly meat-based diet is known as :
A Omnivore B Carnivore
C Herbivore D Piscivore
- Plaster of paris is formed after heating upto 100°C

(A) $\text{Mg}(\text{NO}_3)_2$ (B) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (gypsum)
(C) NaNO_2 (D) LiNO_3
- The root system of several plants have been greatly enlarged by the application of.

A) Sulphur B) Gypsum
C) Both of the above D) None of the above
- When deficiency of calcium exists various substances are accumulated in plants in harmful concentration which are.

(A) Lime
(B) Aluminium
(C) Aliminium and Manganese
(D) None of the above
- Which alkali metal behave different by from others?

(A) Mg (B) Na
(C) Rb (D) Li
- Spodumene, petalite, halite, natron, alinite are the common minerals of.

A) Alkali metals B) Alkaline earth metals
C) Both of the above D) Li
- Sodium is prepared by the electrolysis of.

(A) Simple NaCl in Down,s cell
(B) Molten NaCl in Down,s cell
(C) Molten sodium hydroxide in down's cell
(D) None of the above

8. Lime is used in.
- (A) Glass industry
 - (B) Glass and paper industries
 - (C) Paper industries
 - (D) None of the above
9. The elements which are very abundant in earth crust are _____
- a) Si & Al
 - b) Ca & Mg
 - c) B & Al
 - d) All
10. The oxides of Be are _____
- a) Acidic
 - b) Basic
 - c) Amphoteric
 - d) None
11. Carbonates of lithium are not stable like that of sodium due to _____
- a) Low electronegativity
 - b) Low electropositivity
 - c) Low charge density
 - d) Not know yet
12. Which one of the following is not an alkali metal?
- a) Francium
 - b) Caesium
 - c) Rubidium
 - d) Radium
13. Which of the following sulphates is not soluble in water?
- a) Sodium sulphate
 - b) Potassium sulphate
 - c) Zinc sulphate
 - d) Barium sulphate
14. The ore $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ has the general name _____
- a) Gypsum
 - b) Dolomite
 - c) Sodium metal
 - d) Sodium hydroxide

15. Crystals of $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$ when exposed to air, _____

- a) Lose water and remain solid
- b) Gain water and remain solid
- c) Gain water and become liquid
- d) Remains unchanged.

16. The deliquescence is a process in which a solid _____

- a) Absorbs moisture and remains solid
- b) Absorbs moisture and turns to liquid form
- c) Loses water of crystallization
- d) Increases the number of water of crystallization

17. What sort of waves exhibit the Doppler effect?

- a) light waves.
- b) water waves.
- c) sound waves.
- d) all of the above.

18. The Doppler effect is produced if

- a) the source is in motion.
- b) the detector is in motion.
- c) both of the above.
- d) none of the above.

19. When star is moving toward 0000 and observer it takes a

- A. red shift
- B. blue shift
- C. black shift
- D. celestial shape

20. Structures of the body that are responsible for conveying information/messages around the body are called :

- A Lymphocytes
- B Alveoli
- C Nephrons
- D Neurons