

CLASS NOTES

Class: VII

Topic: REVISION WORKSHEET

Subject: SCIENCE

Multiple Choice Questions

1. Amarbel is an example of –

- (a) Autotroph
- (b) Parasite
- (c) Heterotroph
- (d) Host

2. The plant which traps a feed on insects is-

- (a) Cucuta
- (b) Rose
- (c) Pitcher plant
- (d) Sunflower

3. Which of these components of food can be synthesized by plants?

- (a) Carbohydrate
- (b) Fats
- (c) Proteins
- (d) All of these

4 Read carefully the terms given below. Which of the following set is the correct combination of organs that do not carry out any digestive functions?

- (a) Oesophagus, large intestine, rectum
- (b) Buccal cavity, oesophagus, rectum
- (c) Buccal cavity, oesophagus, large intestine
- (d) Small intestine, large intestine, rectum

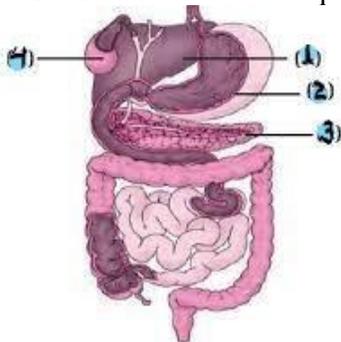
5. Read the following statements with reference to the villi of small intestine.

- (i) They have very thin walls.
- (ii) They have a network of thin and small blood vessels close to the surface.
- (iii) They have small pores through which food can easily pass.
- (iv) They are finger-like projections.

Identify those statements which enable the villi to absorb digested food.

- (a) (i), (ii) and (iv)
- (b) (ii), (iii) and (iv)
- (c) (iii) and (iv)
- (d) (i) and (iv)

6. Select the correct sequence of the parts of digestive system from the options given:



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- (a) 1-Liver, 2-Gall bladder, 3-Stomach, 4-Pancreas
- (b) 1-Gall bladder, 2-Liver, 3-Pancreas, 4-Stomach
- (c) 1-Stomach, 2-Liver, 3-Pancreas, 4-Gall bladder
- (d) 1-Liver, 2-Stomach, 3-Pancreas, 4-Gall bladder

7. Heat energy will flow from body 'P' to body 'Q' if:

- (a) Q is at higher temperature than P.
- (b) P is at higher temperature than Q.
- (c) Both are at same temperature.
- (d) None of the above.

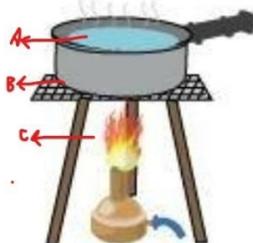
8. A beggar wrapped himself with a few layers of newspaper on a cold winter night. This helped him to keep himself warm because:

- (a) Friction between the layers of newspaper produces heat.
- (b) Air trapped between the layers of newspaper is a bad conductor of heat.
- (c) Newspaper is a conductor of heat.
- (d) Newspaper is at a higher temperature than the temperature of the surrounding.

9 Expansion of a substance on heating depends on:

- (a) Nature of the substance
- (b) Rise in temperature
- (c) Both a and b
- (d) Color of the substance

10 The given figure indicates the modes of heat transfer. Choose the correct option:



- (a) A-radiation, B-convection, C-conduction
- (b) A-conduction, B-radiation, C-conduction
- (c) A-radiation, B-radiation, C-conduction
- (d) A-convection, B-conduction, C-radiation

11 When an ant bites, it injects:

- (a) Acidic liquid
- (b) Basic liquid
- (c) Both (a) and (b)
- (d) Neutral liquid



12 On adding phenolphthalein indicator to a colorless solution, no change is observed. The nature of the solution may be:

- (a) Acidic or basic
- (b) Basic
- (c) Acidic or neutral
- (d) Basic or neutral

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13 When the soil is too basic, plants do not grow well in it. To improve its quality what must be added to the soil?

- (a) Organic matter
- (b) Quick lime
- (c) Slaked lime
- (d) Calamine solution

14 Galvanization is a process used to prevent the rusting of which of the following?

- (a) Iron
- (b) Zinc
- (c) Aluminum
- (d) Copper

15 Chemical Change May Involve:

- (a) Change in color only
- (b) Change in temperature only
- (c) Evolution of gas only
- (d) All of these

16 If the chemical properties of a substance remain unchanged and its appearance or shape changes, it is called a

- (a) Chemical change
- (b) Physical change
- (c) Both physical and chemical changes
- (d) Neither physical nor chemical change

17 Which of the following is an example of a physical change?

- (a) Metal rusting
- (b) Silver tarnishing
- (c) Water boiling
- (d) Paper burning

18 A bus travels 54 km in 90 minutes. The speed of the bus is

- (a) 0.6 m/s
- (b) 10 m/s
- (c) 5.4 m/s
- (d) 3.6 m/s

19 A simple pendulum takes 42 sec. to complete 20 oscillations. What is its time period?

- (a) 2.1 s
- (b) 4.2 s
- (c) 21 s
- (d) 8.40 s

20 Acid used in eye wash is-

- (a) Carbonic acid
- (b) Acetic acid
- (c) Benzoic acid
- (d) Boric acid

21 Acid which is used as a source of vitamin C is

- (a) Citric acid
- (b) Carbonic acid

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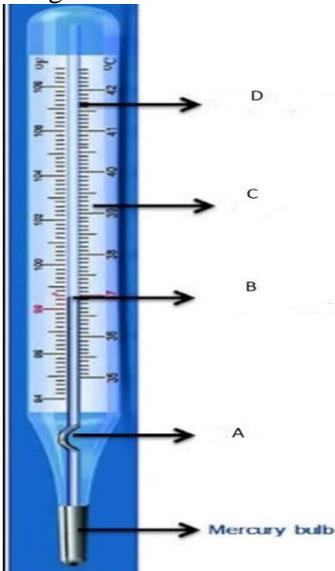
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- (c) Boric acid
- (d) Tartaric acid

22 If we denote speed by s , distance by d and time by t , the relationship between these quantities is:

- [a]. $S = d \times t$
- [b]. $T = s/d$
- [c]. $S = 1 \times d/t$
- [d]. $S = t/d$

23. Observe the diagram and select the correct sequence of the parts of clinical thermometer from the options given:



- (a) A-Kink, B-Mercury level, C-Scale, D-Capillary tube
- (b) A-Kink, B-Mercury level, C- Capillary tube, D- Scale
- (c) A- Scale, B-Mercury level, C- Kink, D-Capillary tube
- (d) A- Mercury level, B- Kink, C-Scale, D-Capillary tube

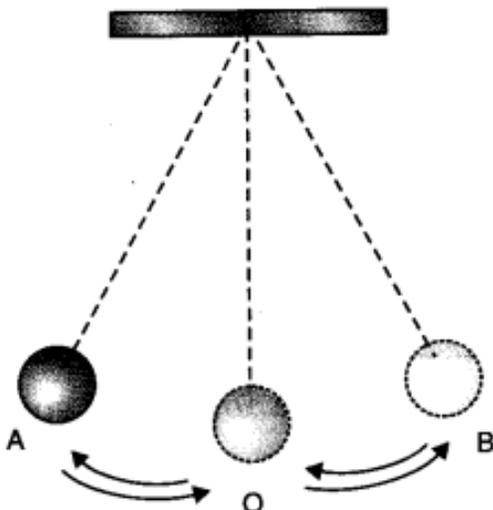
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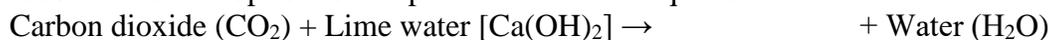
24. Observe the figure given below:



The time period of a simple pendulum is the time taken by it to travel from:

- (a) A to B and back to A
- (b) O to A, A to B and B to A
- (c) B to A, A to B and B to O
- (d) A to B

Q25.. Choose the correct option to complete the chemical equation.



- (a) Calcium Carbonate (CaCO_3)
- (b) magnesium carbonate (MgCO_3)
- (c) Sodium carbonate (Na_2CO_3)
- (d) Zinc carbonate (ZnCO_3)

Fill in the blanks

- 1 Green plants are called _____ since they synthesize their own food.
- 2 The food synthesized by the plants is stored as _____
- 3 In photosynthesis solar energy is captured by the pigment called _____
- 4 During photosynthesis plants take in _____ and release _____
- 5 Lichens has a _____ color in distilled water
- 6 Great care should be taken while handling laboratory acids and bases because these are _____ in nature.
- 7 When an acidic solution is mixed with a basic solution, both the solutions _____ the effect of each other.
8. Calamine solution contains _____ carbonate.
9. Excessive use of chemical fertilizers makes the soil _____.
10. Spinach contains _____ acid.

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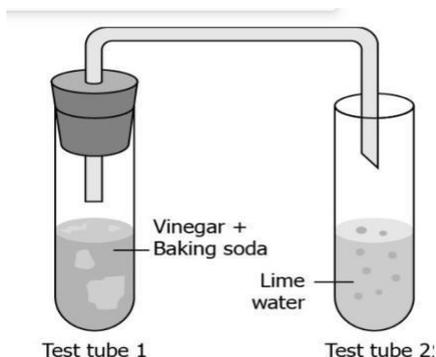
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11. Melting of candle wax is _____ change but its burning is a _____ change.
12. A brown layer formed when an iron article is left exposed in an open area is called _____.
13. Ozone layer protects us from the harmful radiation of _____.
14. The solution of Copper Sulphate shows _____ color.

One Word Answer Type Question

1. Plants which feed on dead and decaying matter _____
2. Type of nutrition found in Amarbel _____
3. Special structure in Cuscuta for absorbing readymade food from the host plant _____
4. Centrally located spherical structure in cell is _____
5. The substance formed by burning of Magnesium ribbon in air - _____
6. The chemical Name of Baking soda - _____
7. Metal used for the process of galvanization - _____
8. The process by which some substances can be obtained in their pure state from their solution - _____
9. Observe the setup given and answer following questions-



- a) Name the gas evolved during the demonstrated chemical reaction.
b) Write down observation when the gas mixes with lime water in Test tube 2.
c) Identify and write the type of change seen in it.
d) Write the reaction in the form of word/chemical equation for the change seen in the given figure.