



RAMAGYA SCHOOL, NOIDA
CLASS IV/SCIENCE/SEP/2018-19
OLYMPIAD PRACTICE WORKSHEET

Name- _____

Class- IV

Concept based Questions

Q.1) The process by which plants make food is _____.

- a) Transpiration b) Growing c) Photosynthesis d) Respiration

Q.2) Three things needed by plants for the production of food are:

- a) Water, oxygen, and sunlight b) Water, carbon dioxide, and fertilizer
c) Water, oxygen, and sugar d) Water, carbon dioxide, and sunlight

Q.3) The green pigment in chloroplasts that enable a plant to absorb light energy to make food is _____.

- a) Carbon dioxide b) Chloroplast c) Chlorophyll d) Color

Q.4) Plants are called _____ because they make their own food.

- a) Photosynthesis b) Producers c) Consumers d) Chlorophyll

Q.5) The small openings in the underside of a leaf are called _____.

- a) Epidermis b) Xylem c) Stomata d) Phloem

Q.6) In which of the following, the molecules are tightly packed?

- a) Oxygen gas  b) Oil 
- c) Television  d) All of these

Q.7) Matter is made up of tiny particles called _____.

- a) molecules b) grains c) gases d) pieces

Application Based Questions

Q.8) Food is stored in plant in form of _____.

- a) Simple sugar b) starch c) glucose d) none of these

Q.9) Match the following:

List - I		List - I	
A.	Liquid→Solid	1.	Melting
B.	Vapour→Liquid	2.	Evaporation
C.	Solid→Liquid	3.	Freezing
D.	Liquid→Vapour	4.	Condensation

a) 3 4 1 2

b) 2 1 3 4

c) 4 1 2 3

d) 1 2 3 4

Q10) Choose the correct option from the following on the basis of the packing of molecules

a) Solid > Liquid > Gas

b) Gas > Solid > Liquid

c) Liquid > Gas > Solid

d) Solid > Gas > Liquid

Q11) Which of these is absorbed by roots of plants from the soil?

a) Water

b) Nutrients

c) Both (a) & (b)

d) none of these

Q12) Particles of matter are _____ .

a) stationary

b) Vibrating in one position

c) In continuous motion

d) Rotating about an axis

Q13) Cactus does not have broad leaves because broad leaves lose too much water. The leaves in a cactus are reduced to spines or thorns. The cactus stem instead, is green, thick and fleshy. The green stem carries out photosynthesis and stores water for the plant. Waxy layer on the stem helps to reduce loss of water. In cactus, photosynthesis is carried out by

a) spines

b) green stem

c) roots

d) leaves

Q14) Which one of the following statements is correct? Statement 1: Aquatic plants can't perform the process of photosynthesis. Statement 2: Aquatic plants can perform the process of photosynthesis.

a) Statement 1

b) Statement 2

c) Both statements are correct

d) Both statements are incorrect

HOTS Questions

Q15) Spine of cactus are modified _____.

a) Leaf

b) Stem

c) Root

d) Flower

Q.16) Consider the following statements and choose the correct answer

Statement A: Plants and animals depend on each other for their survival.

Statement B : Only animals depends on plant for their food.

- a) Statement A is correct and B is wrong
- b) Statement B is correct and A is wrong
- c) Both the statements are correct
- d) Both the statements are wrong

Q.17) Non green plant get their food from _____.

- a) animals
- b) dead and decaying matter
- c) other plants
- d) Sun

Q18) Stomata helps in exchange of gases and also in process of _____.

- a) transpiration
- b) evaporation
- c) excretion
- d) photosynthesis

Value Based Question

Q19) The students of a class went for an excursion trip to a beautiful garden. Their they saw beautiful flowers. Ravi saw one of the students plucking flowers from the garden. What should Ravi do?

- a) Help the student in plucking the flowers.
- b) Scold the student
- c) Explain about the importance of flowers and tell him not to pluck them.
- d) None of these

Q20) Mohan wants to test the presence of starch in leaf . Which of the chemicals will be required for testing?

- a) Alcohol and iodine
- b) Alcohol
- c) Iodine
- d) None of these