

HOLIDAY HOMEWORK
Class 7 – Science
Extra Question

Chapter 1

Q1. Fill in the blanks.

- i. In photosynthesis solar energy is captured by the pigment called
- ii. During photosynthesis plants take _____ and release _____.
- iii. _____ in plant take in carbon dioxide from the air for photosynthesis.
- iv. _____ are the products of photosynthesis.

Q2. True/False

- i. The food synthesized by the plants is stored as starch.
- ii. Plants take carbon dioxide from the atmosphere mainly through their leaves.
- iii. Solar energy is converted into electrical energy during photosynthesis.
- iv. Carbon dioxide is released during photosynthesis.
- v. The starch is also a carbohydrate.

Q3. Give one example of parasite.

Q4. Name one plant that traps and feeds on insects.

Q5. Name a plant that has both autotrophic and heterotrophic mode of nutrition.

Q6. What are fluffy umbrella-like patches growing on rotting wood during the rainy season called?

Q7. What are carbohydrates made up of?

Q8. From where do plants get raw materials to prepare their food?

Q9. Where does the synthesis of food in a plant usually take place?

Q10. What is the ultimate source of energy for all living organisms?

Q11. Write an equation that represents the process photosynthesis.

Q12. What are the components of food?

Q13. What are insectivorous plants?

Q14. What do you mean by nutrition?

Q15. Why photosynthesis is named so?

Q16. What are heterotrophs?

Q17. What are stomata?

Q18. What are called autotrophs?

Q19. What is heterotrophic nutrition?

Q20. How do plants replenish their nutrients?

Chapter 6

Q1. Fill in the blanks.

- I. Cutting a log of wood into pieces is a _____ change.
- II. Condensation is a _____ change.
- III. When carbon dioxide is passed through lime water, it turns milky due to the formation of _____.
- IV. Two methods by which rusting of iron can be prevented are _____ and _____.
- V. Changes in which only _____ properties of a substance change are called physical changes.

Q2. True/False

- I. Formation of manure from leaves is a physical change.
- II. Iron pipes coated with zinc do not get rusted easily.
- III. Iron and rust are the same substances.
- IV. The chemical name of baking soda is Sodium hydrogen carbonate.
- V. Changes in which new substances are formed are called chemical changes.

Q3. What type of change is crystallisation?

Q4. What type of change is involved in rusting of iron?

Q5. Write one property of stainless steel.

Q6. What type of change is formation of manure?

Q7. Which of the two is permanent change chemical change or physical change?

Q8. What do you understand by chemical change?

Q9. State the conditions necessary for rusting of iron?

Q10. What is galvanisation?

Q11. What is added to steel to make it stainless?

Q12. Why formation of manure from leaves is a chemical change?

Q13. Why souring of milk is a chemical change?

Q14. What is rust?

Q15. What is blue vitriol?

Q16. Name the two methods by which rusting of iron can be prevented.

Q17. What happens when baking soda is treated with vinegar?

Q18. Which technique is better for obtaining sugar from sugar solution?