

PHOTOSYNTHESIS BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By [Careericons](#) Team

Q1. Which of the following has the maximum efficiency to convert solar energy into chemical energy?

- a) Cuscutta
 - b) Earthworm
 - c) Tiger
 - d) Chorella
-

Q2. The most active light for photosynthesis is

- a) Green light
 - b) Blue light
 - c) Red light
 - d) Violet light
-

Q3. Which one of the following is the process involved in photosynthesis?

- a) Oxygen is taken and carbon dioxide and water vapour are given out
 - b) Food is oxidized to release carbon dioxide and water
 - c) Free energy is converted into potential energy and stored
 - d) Potential energy is released to form free energy
-

Q4. The process by which plants produce food is called

- a) Photosynthesis
- b) Photosensitization

c) Metabolic synthesis

d) Carbohydrolysis

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Q5. Which light is most effective in photosynthesis?

a) Violet

b) Green

c) Blue

d) Red

Q6. When the bark of a tree is removed in a circular fashion all around near its base, it gradually dries up or dries because

a) Roots do not receive oxygen for respiration

b) Tree is infected by the soil microbes

c) Roots are starved of energy

d) Water from soil cannot rise to aerial parts

Q7. Which one of the following does not increase the amount of carbon dioxide in carbon cycle on earth?

a) Volcanic action

b) Decay of organic matter

c) Photosynthesis

d) Respiration

Q8. The process by which plants synthesize their food is called

- a) Plasmolysis
 - b) Photosynthesis
 - c) Respiration
 - d) Osmosis
-

Q9. Photosynthesis occurs in

- a) Only day
 - b) Day or night
 - c) Day and night
 - d) Night
-

Q10. Which one of the following gases is used by plants in photosynthesis?

- a) Sulphur dioxide
 - b) Chlorine
 - c) Carbon dioxide
 - d) Ammonia
-

Q11. Which of the following types of light are strongly absorbed by plants?

- a) Yellow and violet
 - b) Indigo and yellow
 - c) Blue and red
 - d) Violet and orange
-

Q12. What rays of sunlight are mostly utilized by chlorophyll in photosynthesis?

- a) Blue
- b) Green
- c) Yellow
- d) Red

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Q13. Which one of the following gases is essential for photosynthesis process?

- a) O₂
- b) N₂
- c) CO₂
- d) CO

Q14. Photosynthesis occurs in

- a) Peroxisome
- b) Chloroplast
- c) Mitochondria
- d) Nucleus

Q15. 'Phloem' in plants is mainly responsible for

- a) Transportation of water
- b) Transportation of oxygen
- c) Transportation of amino acid
- d) Transportation of food

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Answers to the above questions :

Q1. Answer: (d)

Q2. Answer: (c)

Q3. Answer: (c)

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PHYSICAL PROPERTIES OF MATERIALS

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Q4. Answer: (a)

Q5. Answer: (d)

Q6. Answer: (c)

Q7. Answer: (c)

Q8. Answer: (b)

Q9. Answer: (b)

Q10. Answer: (c)

Q11. Answer: (c)

Q12. Answer: (d)

Q13. Answer: (c)

Q14. Answer: (b)

Q15. Answer: (d)

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