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Photosynthesis MCQ

Practice Best Photosynthesis MCQ Test & Online Quiz;

We have listed below the best **Photosynthesis MCQ Questions**, that check your basic knowledge of Photosynthesis. This Photosynthesis MCQ Test contains 20 Multiple Choice Questions. You have to select the right answer to check your final preparation for the Photosynthesis Exam/Interviews. apart from this, you can also download the **Photosynthesis MCQ PDF**, completely free from the link given below.

Q1. How Does Photosynthesis Benefit Heterotrophs?

- A. It adds carbon dioxide to the air.
- **B. It creates a source of energy they can eat.**
- C. It creates clean water.
- D. It eliminates harmful sugars.

Q2. What Two Materials Are Needed For Photosynthesis?

- A. Water and soil.
- **B. Carbon dioxide and water.**
- C. Carbon dioxide and chlorophyll.
- D. Peanut butter and jelly.

Q3. Which Organisms Perform Photosynthesis?

- **A. Only Autotrophs**
- B. Only Heterotrophs
- C. Autotrophs and Heterotrophs
- D. None of the Above

Q4. Which Organelle Performs PHOTOSYNTHESIS?

- **A. Chloroplast**
- B. Mitochondria

Q5. What Process Occurs When Light Energy Is Captured In Autotrophs And Converted Into Sugar?

- **A. Photosynthesis**
- B. Cellular Respiration

Q6. What Is The Correct Equation For Photosynthesis?

- A. $C_6H_{12}O_6 + 6O_2 \rightarrow 6CO_2 + 6H_2O$
- B. $6CO_2 + 6O_2 \rightarrow C_6H_{12}O_6 + 6H_2O$
- C. $6CO_2 + 6O_2 \rightarrow 6H_2O + C_6H_{12}O_6$
- **D. $6CO_2 + 6H_2O \rightarrow 6O_2 + C_6H_{12}O_6$**

Q7. Which Of The Following Is An Example Of An AUTOTROPH?

- **A. Appletree**
- B. Dog
- C. Mushroom
- D. Human

Q8. What Is The Ultimate ORIGINAL Source Of Energy For Living Things

- A. Sugar
- **B. Sun**
- C. Moon
- D. Carbon Dioxide

Q9. What is the main product of photosynthesis?

- A. Food
- **B. Glucose**
- C. Leaves
- D. Chlorophyll

Q10. What Is The Food Manufacturing Process In Plants?

- A. Reparation

- B. Glucose
- C. Chlorophyll
- **D. Photosynthesis**

Q11. What Molecule Absorbs Sunlight For Photosynthesis?

- A. chloroplast
- B. thylakoid
- C. grana
- **D. chlorophyll**

Q12. Where Does Photosynthesis Take Place?

- **A. The leaves.**
- B. The roots.
- C. The branches.
- D. The kitchen.

Q13. What Are The Products Of Photosynthesis?

- A. water and carbon dioxide
- **B. oxygen and glucose**
- C. oxygen and carbon dioxide
- D. oxygen and water

Q14. Where Does A Plant Get Carbon Dioxide From?

- A. A plant gets carbon dioxide from the soil.
- **B. A plant gets carbon dioxide from the air.**
- C. A plant gets carbon dioxide from the water.
- D. A plant gets carbon dioxide at the Shell gas station.

Q15. What Three Things Do Plants Need?

- **A. Water, air, and sunlight.**
- B. Water, soil, and sunlight.
- C. Water, soil, and air.
- D. Love, family, and Cheetos.

Q16. Which Gas Is Removed From The Atmosphere During Photosynthesis?

- A. hydrogen
- B. oxygen
- C. nitrogen
- **D. carbon dioxide**

Q17. What Is The Pigment In Chloroplasts That Performs Photosynthesis?

- A. Chlorosynthesis
- **B. Chlorophyll**
- C. ADP
- D. Electron Transport

Q18. What is the optimum temperature for photosynthesis?

- A. 10-15?
- **B. 20-25?**
- C. 25-35?
- D. 35-40?

Q19. Photorespiration involves oxidation of

- A. PGA
- **B. RuBP**
- C. Both PGA & RuBP
- D. None of the above

Q20. Which of the following is H₂ donor during photosynthesis?

- A. ATP
- B. NADH
- C. NADP
- **D. NADPH**

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