**CHAPTER 6**

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| 1. **The first stage of photosynthesis takes place in the……….**
 |
| 1. **Thylakoids**
 |
| 1. Grana
 |
| 1. Stomata
 |
| 1. Stroma
 |
|  |
| 1. **Which of the following is not required during photosynthesis**
 |
| 1. Water
 |
| 1. Carbon dioxide
 |
| 1. **Oxygen**
 |
| 1. Light
 |
|  |
| 1. **During what stage of photosynthesis is O2 produced?**
 |
| 1. Carbon fixation
 |
| 1. **Light – dependent reactions**
 |
| 1. Light – independent reactions
 |
| 1. Calvin cycle
 |
|  |
| 1. **In the process photosynthesis**
 |
| 1. Carbon dioxide and water are oxidised
 |
| 1. **Carbon dioxide is reduced and water is oxidized**
 |
| 1. Carbon dioxide and water are reduced
 |
| 1. Carbon dioxide is oxidized and water is reduced
 |
|  |
| 1. **Both carotenoids and chlorophyll are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
 |
| 1. Coenzymes
 |
| 1. Organelles
 |
| 1. **Pigments**
 |
| 1. Cofactors
 |
|  |
| 1. **ATP is ………………**
 |
| 1. **required for the Calvin cycle**
 |
| 1. a product of the Calvin cycle
 |
| 1. required for the light reactions
 |
| 1. not required during photosynthesis
 |
| 1. **In the light reactions, solar energy is converted to chemical energy stored in both ATP and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
 |
| 1. AMP
 |
| 1. ADP
 |
| 1. **NADPH**
 |
| 1. NADH
 |
| 1. **The Calvin cycle occurs in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_of the chloroplast.**
 |
| 1. **Stroma**
 |
| 1. Stoma
 |
| 1. Thylakoid
 |
| 1. The inner mitochondrial membrane
 |
| 1. **In the leaf, chloroplasts are concentrated in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
 |
| 1. Epidermis
 |
| 1. Veins
 |
| 1. **Mesophyll**
 |
| 1. Thylakoids
 |
| 1. **In the leaf, the CO2 enters and the** **oxygen released through\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
 |
| 1. Stroma
 |
| 1. **Stoma**
 |
| 1. Granum
 |
| 1. Epidermis
 |
| 1. **Plants are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
 |
| 1. Autotrophs
 |
| 1. Prototrophs
 |
| 1. Heterotrophs
 |
| 1. Auxotrophs
 |
| 1. **The oxygen released during photosynthesis comes from:**
 |
| 1. Carbon dioxide
 |
| 1. Carbon dioxide and water
 |
| 1. **Water**
 |
| 1. Glucose

  |
| 1. **What energy-rich organic compound is produced as a result of the Calvin cycle?**
 |
| 1. ATP
 |
| 1. **Sugar**
 |
| 1. NADPH
 |
| 1. O2
 |
| 1. **The chloroplast is the site of photosynthesis in a plant cell. It is enclosed by \_\_\_\_\_\_ membranes.**
 |
| 1. One
 |
| 1. **Two**
 |
| 1. Three
 |
| 1. Four
 |

**16- In plant cell, leaves are**

1. Responsible for storage
2. **Responsible for photosynthesis**
3. Responsible for support
4. None of the above