**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