

| <b>B</b>                                      | <b>I</b>           | <b>N</b>                       | <b>G</b>             | <b>O</b>                 |
|-----------------------------------------------|--------------------|--------------------------------|----------------------|--------------------------|
| stroma                                        | ADP                | NADP+                          | palisade<br>cell     | dark<br>reaction         |
| Elodea                                        | stomata            | green<br>light                 | ATP                  | starch                   |
| C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> | carbon<br>fixation | <b>FREE</b>                    | carbon<br>reduction  | red and<br>blue<br>light |
| chlorophyll                                   | outotrophs         | Oxygen                         | electron<br>acceptor | NADPH                    |
| CO <sub>2</sub>                               | Calvin<br>cycle    | electron<br>transport<br>chain | H                    | heterotrophs             |

|                                |                   |                     |                      |                                               |
|--------------------------------|-------------------|---------------------|----------------------|-----------------------------------------------|
| <b>B</b>                       | <b>I</b>          | <b>N</b>            | <b>G</b>             | <b>O</b>                                      |
| thylakoid                      | photon            | outotrophs          | green<br>light       | red and<br>blue<br>light                      |
| CO <sub>2</sub>                | Calvin<br>cycle   | heterotrophs        | electron<br>acceptor | Elodea                                        |
| electron<br>transport<br>chain | ATP               | <b>FREE</b>         | carbon<br>fixation   | ADP                                           |
| dark<br>reaction               | stroma            | water               | H                    | C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> |
| palisade<br>cell               | Light<br>reaction | carbon<br>reduction | NADP+                | Oxygen                                        |

|                          |                                               |                   |                  |                |
|--------------------------|-----------------------------------------------|-------------------|------------------|----------------|
| <b>B</b>                 | <b>I</b>                                      | <b>N</b>          | <b>G</b>         | <b>O</b>       |
| electron transport chain | Elodea                                        | outotrophs        | heterotrophs     | Light reaction |
| ATP                      | water                                         | NADP+             | thylakoid        | stroma         |
| H                        | red and blue light                            | <b>FREE</b>       | chlorophyll      | palisade cell  |
| ADP                      | Calvin cycle                                  | electron acceptor | carbon reduction | carbon cycle   |
| stroma                   | C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> | starch            | CO <sub>2</sub>  | stomata        |