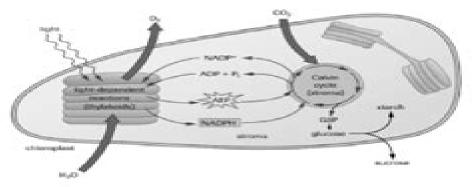
Name: Gracie Fletcher Date: 10/23/23

#### Photosynthesis Packet

## Light-Dependent Reactions Overview:



 What occurs in the process of photosynthesis? Solar energy from the sun is converted into chemical energy in the form of glucose.

Write the overall equation for photosynthesis using words. Carbon Dioxide and Water in the presence of sunlight is converted into Glucose and Oxygen.

3. Write the overall equation for photosynthesis using chemical formulas.

CO2 + 6 H20 C6H1206 + 6 O2

4. What does photosynthesis require in addition to water and carbon dioxide? Sunlight

6. What is the principal pigment of plants? Chlorophyll

- Circle the letter of the region(s) of the visible spectrum in which chlorophyll absorbs light very well.
  - a, blue region
  - b. green region
  - e. red region
  - d. yellow region
- 8. Chloroplasts contain saclike photosynthetic membranes called Thylakoids
- 9. What is a granum? Stack of Thylakoids
- 10. The region outside the thylakoid membranes in the chloroplasts is called the Stroma

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**Daniela Niemeyer** 

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