**Photosynthesis Guided Notes**

Photosynthesis-

*In photosynthesis, plants make carbohydrates that they use for various cell processes, and we need to learn the types and functions of these molecules.*

**Carbohydrates**

Elements in polysaccharides:

Monomers that make up polysaccharides are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

-- structure of monosaccharides (describe and draw):

-- examples of monosaccharides:

-- function of monosaccharides:

-- monosaccharide made during photosynthesis:

Draw the structure of **polysaccharides** (label glucose):

Types and Function of Polysaccharides

1)

2)

3)

**Back to Photosynthesis….**

**3 Reasons Photosynthesis is important**:

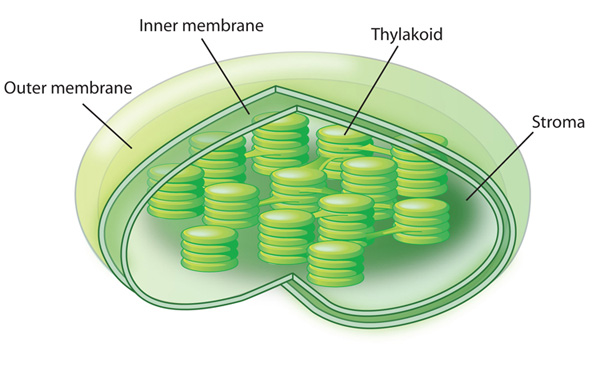
1)

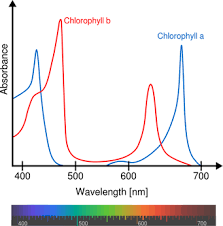
2)

3)

**Main goal of photosynthesis is**:

**Chemical equation for photosynthesis:**

**Location for Photosynthesis**:

**Pigments**

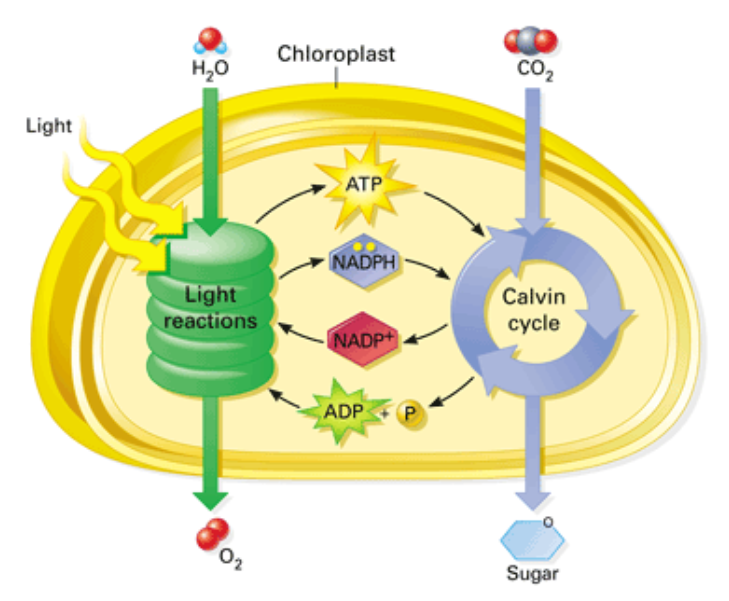
Chlorophyll-

Wavelengths of light chlorophyll absorbs:

**2 Main Parts of Photosynthesis:**

1)

2)



**Light Reactions**

The main objective of light reactions is to**:**

Light Reaction Main Players**:**

Photosystem-

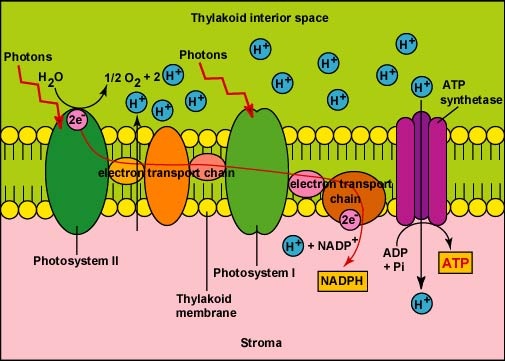
Electron Transport Chain-

ATP Synthase-

Reactants:

Products:

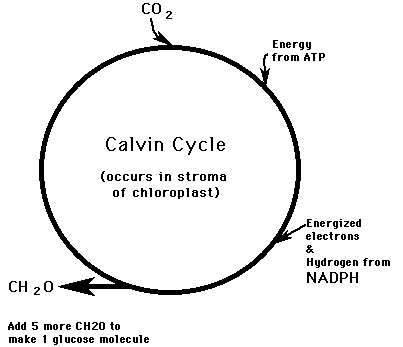
Location:



**Dark Reactions**

The main objective of light reactions is to**:**

Reactants:

Products:

Location:

**Factors Affecting Photosynthesis (describe)**

1) Light intensity

2) Carbon dioxide level

3) Temperature