

Chapter 8: PHOTOSYNTHESIS

I. PHOTOSYNTHESIS

A. PHOTOSYNTHESIS → _____

B. PRODUCERS/AUTOTROPHS → _____

II. GENERAL EQUATION



III. STARTING MATERIALS

1. CARBON → _____

2. LIGHT → _____

3. WATER → _____

IV. TWO PHASES (STAGES)

A. LIGHT-DEPENDENT REACTIONS

1. _____

2. _____

3. _____

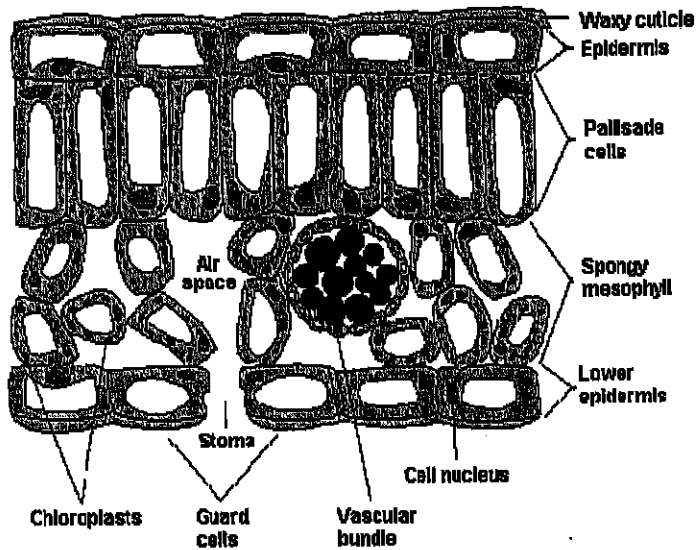
B. CALVIN CYCLE

1. _____

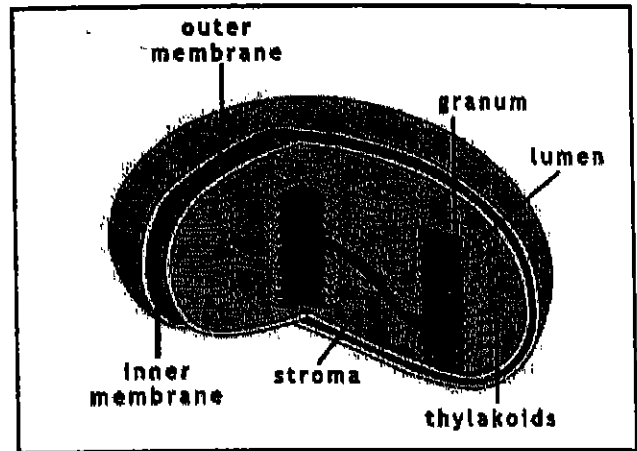
2. _____

VI. PHOTOSYNTHESIS ANATOMY

LEAF CROSS SECTION



CHLOROPLAST



1. Chloroplast → _____

2. Chlorophyll → _____

Comparison of Photosynthesis and Cellular Respiration

Photosynthesis	Cellular Respiration
Energy from sun stored in glucose	Energy in glucose released
Carbon dioxide:	Carbon dioxide:
Oxygen:	Oxygen:
Produces:	Produces:
Requires Light	Does Not require Light
Occurs in:	Occurs in: