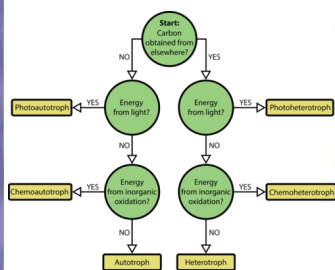


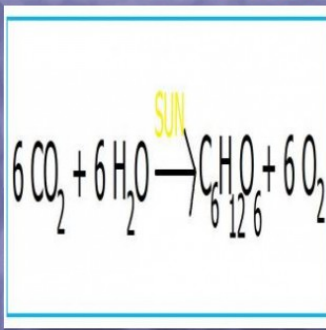
BIOL 1110- 23.4.1



[Ch.8]

ATK/1700 DEF/1600

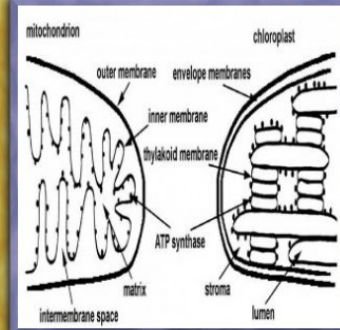
BIOL 1110- 8.1.1



[Ch.8]
CO₂ is reduced
H₂O is Oxidized

ATK/1400 DEF/1200

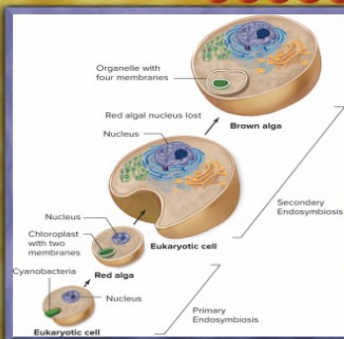
BIOL 1110- 8.1.2



[Ch.8]

ATK/1300 DEF/1100

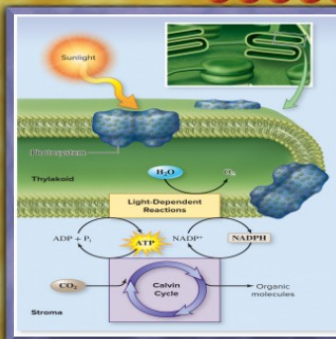
BIOL 1110- 24.1.3



[Ch.8]

ATK/1600 DEF/1400

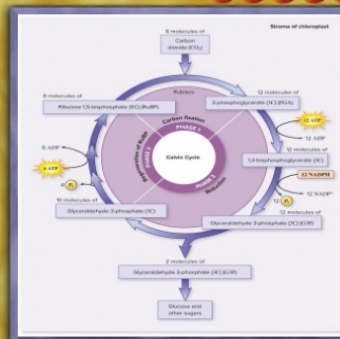
BIOL 1110- 8.1



[Ch.8]
Light Reactions and CO₂ Fixation

ATK/1800 DEF/1700

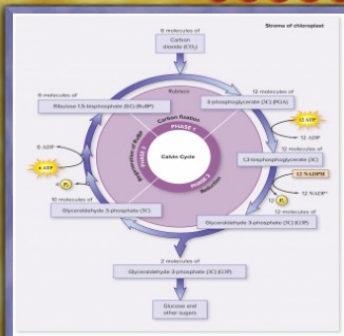
BIOL 1110- 8.6.2



[Ch.8]

ATK/2100 DEF/1800

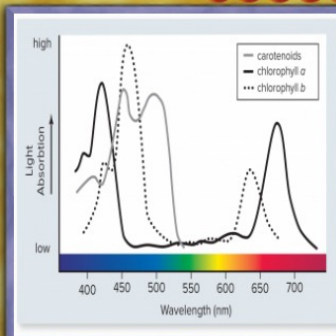
BIOL 1110- 8.6.1-2



[Ch.8]
3 Phases: Carbon Fixation, Reduction, and Regeneration of RuBP
Rubisco is an enzyme that catalyzes CO₂ that makes C Fixation happen

ATK/1900 DEF/1600

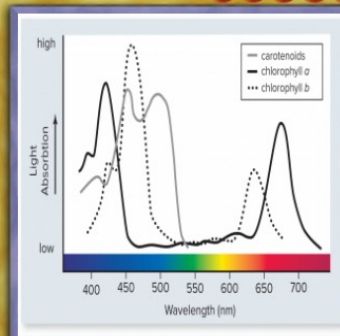
BIOL 1110- 8.3.2



[Ch.8]
Chlorophyll likes to absorb violet blue and red light than other color lights or wavelengths

ATK/2300 DEF/300

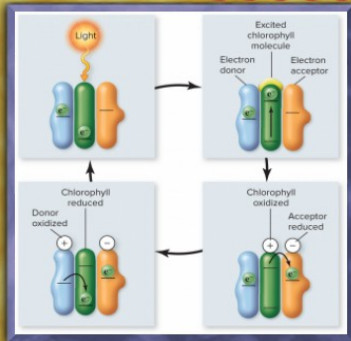
BIOL 1110- 8.3.2-3



[Ch.8]
Chlorophyll a- Converts light into chemical energy
Chlorophyll b- absorbs the light that a can't
Carotenoids- absorbs light that Chlorophyll can't

ATK/2100 DEF/1200

BIOL 1110- 8.4.2



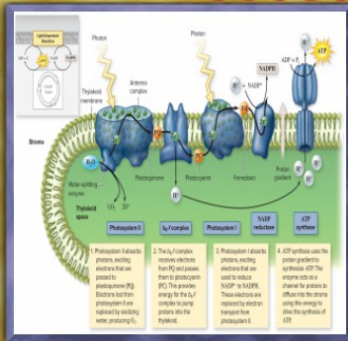
[Ch.8]
Photosystem- network of chlorophyll *a*, accessory pigments, and proteins that capture light, also consists of...
Antenna Complex- Captures the light
Reaction Center- Transmembrane protein complex that receives energy from antenna complex exciting an electron that is passed to an acceptor molecule

ATK/2000 DEF/1800

63084730

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BIOL 1110- 8.5.2-3



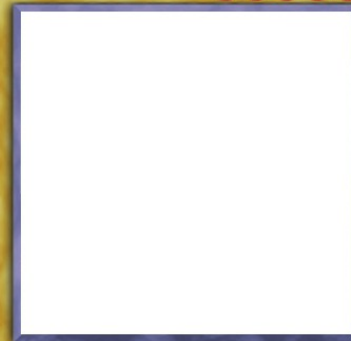
[Ch.8]
Photosystem I produces NADPH from electrons to NADP⁺
Electrons lost from I are replaced by II by oxidizing H₂O

ATK/1900 DEF/1800

66333655

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BIOL 1110- 8.2.3



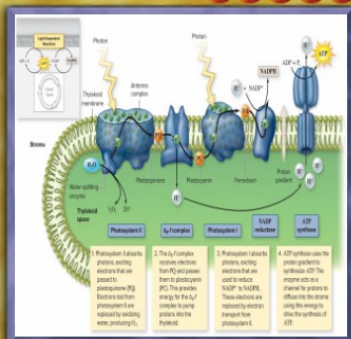
[Ch.8]
O₂ comes from water not CO₂

ATK/1600 DEF/1500

62217954

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BIOL 1110- 8.5.4



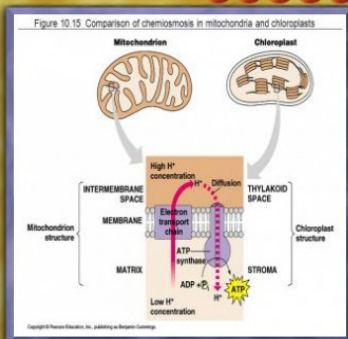
[Ch.8]
ATP Synthase

ATK/1600 DEF/1500

68808931

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BIOL 1110- 7.4.2, 8.5.4 #1

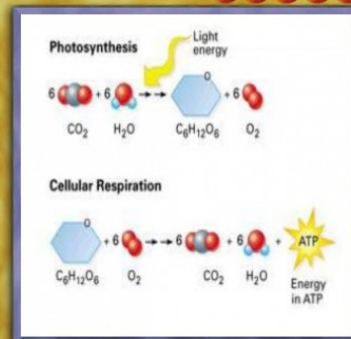
**[Ch.8]**

ATK/1500 DEF/1400

17330670

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BIOL 1110- 7.4.2, 8.5.4 #2



[Ch.8]
Comparing CO₂ and H₂O:

ATK/1600 DEF/1400

58752666

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