73. Name (initials) the 5 carbon sugar which picks up CO ₂ as the 1st step of the light independent reactions. a) RuBP b) Glucose c) PGAL d) PGA	74. During the light independent reactions, what must be added to PGA to convert it to PGAL? a) electrons b) protons c) energized electrons d) energized electrons & protons.	75. What does the enzyme Rubisco, also known as RUBP carboxylase, do during the light independent reactions?
76. What term means the stacks of thylakoids found within the chloroplast?	77. How many ATP molecules does noncyclic photophosphorylation make? a) none b) 1 c) 2 d) 3 e) 4	78. How many ATO molecules does cyclic photophosphorylation make during 1 cycle? a) none b) 1 c) 2 d) 3 e) 4
79. State the complete balanced equation for photosynthesis.	80. List the wavelength (# of nm) of light that Photosystem II uses for its reaction center. a) 660 nm b) 680 nm c) 700 nm d) 720 nm	81. List the wavelength (# of nm) of light that Photosystem I uses for its reaction center. a) 660 nm b) 680 nm c) 700 nm d) 720 nm
82. List 2 products of the light independent reactions that must travel back to the light dependent reactions to keep the latter reactions going. a) ATP + NADH b) ATP + NADPH c) ADP + NADP d) 6CO ₂ + 6H ₂ O	83. 2 products of the light dependent reactions that carry energy to the light independent reactions are: a) ATP + NADPH b) ADP + NADP c) ADP + NAD d) ATP + NADH	84. Which term means the addition of inorganic carbon dioxide onto organic RuBP during the light independent reactions? a) carbon fixation b) carbon dioxide fixation c) oxygen fixation d) carbon oxidation