

61. Describe the effect of increasing CO_2 concentration on the rate of photosynthesis.

62. Briefly describe what happens during cyclic photophosphorylation.

63. Briefly describe what the term photophosphorylation means.

64. Does chemiosmosis occur during the steps of Photosystem I or Photosystem II?

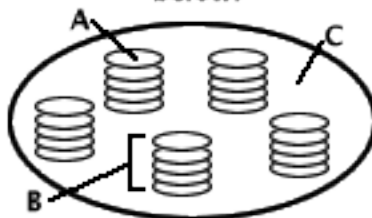
65. Briefly describe what happens during noncyclic photophosphorylation.

66. Which enzyme makes ATP during both photosynthesis and aerobic respiration?

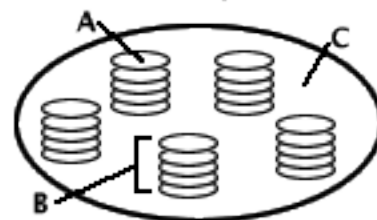
- a) Catalase
- b) Amylase
- c) Lipase phosphorylation
- d) ATP Synthase
- e) ATP Oxidase

67. Which term is used to describe clusters of chlorophyll and carotene and xanthophyll on the surface of the thylakoids?
a) photolysis
b) photopigments
c) photosystems
d) photophosphorylations

68. Identify Structure A in the chloroplast below.



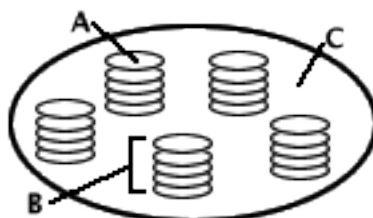
69. Identify Structure B in the chloroplast below.



70. Name (initials) the 5 carbon sugar which picks up CO_2 as the 1st step of the Calvin Cycle.

- a) ATPPH
- b) NADPH
- c) RuBP
- d) PGAL
- e) Glucose

71. Identify Structure C in the chloroplast below.



72. Photolysis provides what 3 useful products to the plant cell?