





IV. Name two ways that Rubisco is activated:

Increase in  $\text{Mg}^{2+}$  and pH.

V. The herbicide atrazine binds to the plastoquinones ( $\text{Q}_A$  and  $\text{Q}_B$ ) in Photosystem II. What component would be the most reduced via the photosynthetic electron transport chain in plants treated with atrazine?

From "Z-scheme", pheophytin is immediately upstream of  $\text{Q}_A$  and  $\text{Q}_B$ .

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