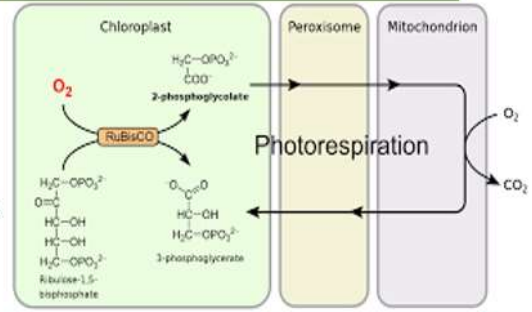
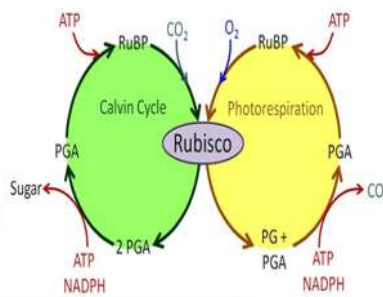
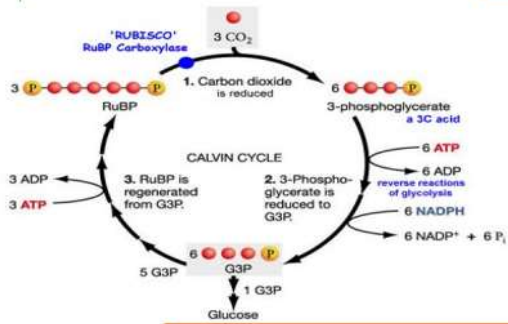


# MIND MAP ON RESPIRATION VS PHOTORESPIRATION



RESPIRATION VS PHOTORESPIRATION



- Carboxylation occurs with ribulose-1,5-bisphosphate
- Completed in mitochondria
- Completes in Mitochondria
- End Product is 3-PGA(3-phosphoglycerate)
- Photosynthesis occurs when Rubisco enzyme reacts with carbon dioxide. (Carboxylation)
- Main process of energy fixation in plants
- Process of carbon fixation.
- Occur in presence of CO<sub>2</sub>.

- Photorespiration involves oxygenation of ribulose-bisphosphate catalysed by enzyme Rubisco.
- Completed in Chloroplast, Mitochondria and Peroxisome
- End product is CO<sub>2</sub> and 2-Phosphglycolate.
- The photorespiration occurs when RuBisCO enzyme reacts with oxygen. (Oxygenation)
- Wastes energy produced by cell.
- Wastes carbon and uses oxygen.
- Occurs in presence of O<sub>2</sub>.

EXAM PREP

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