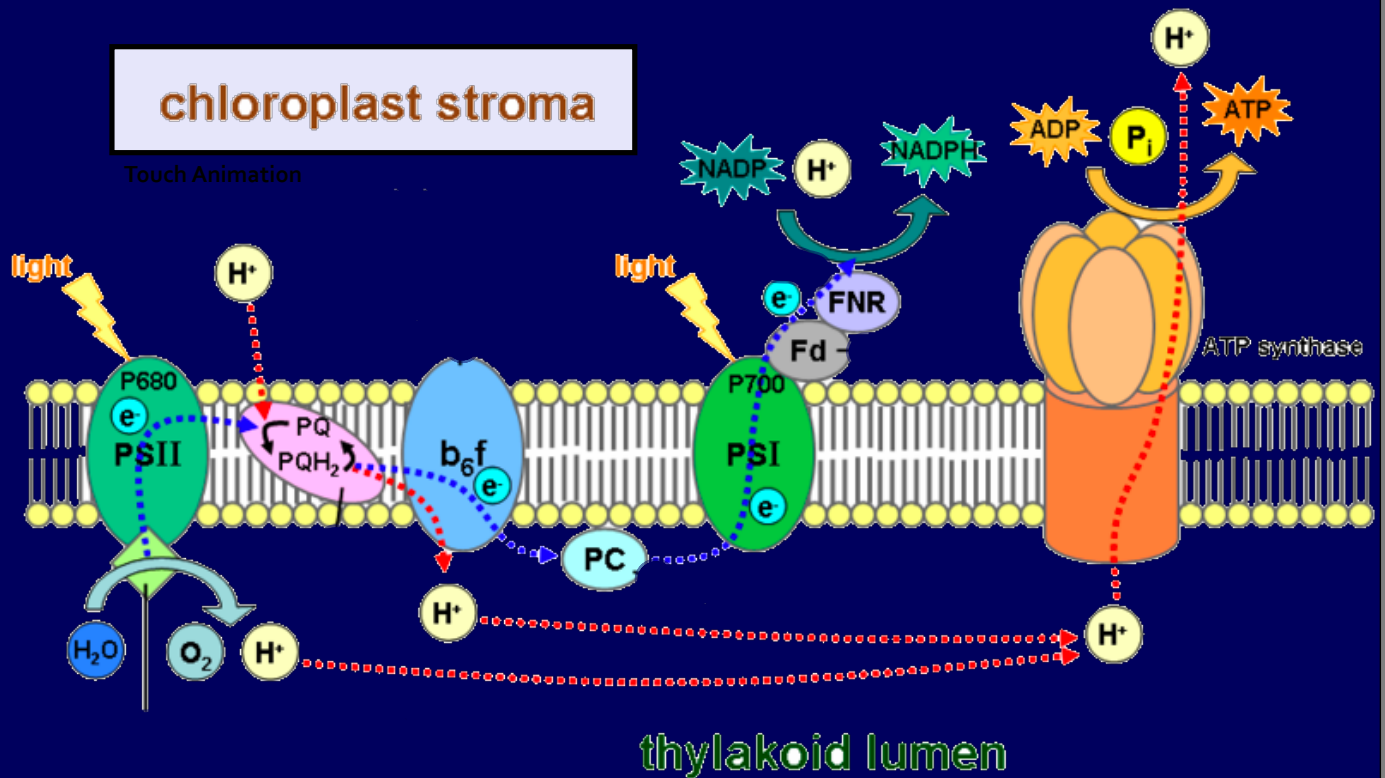


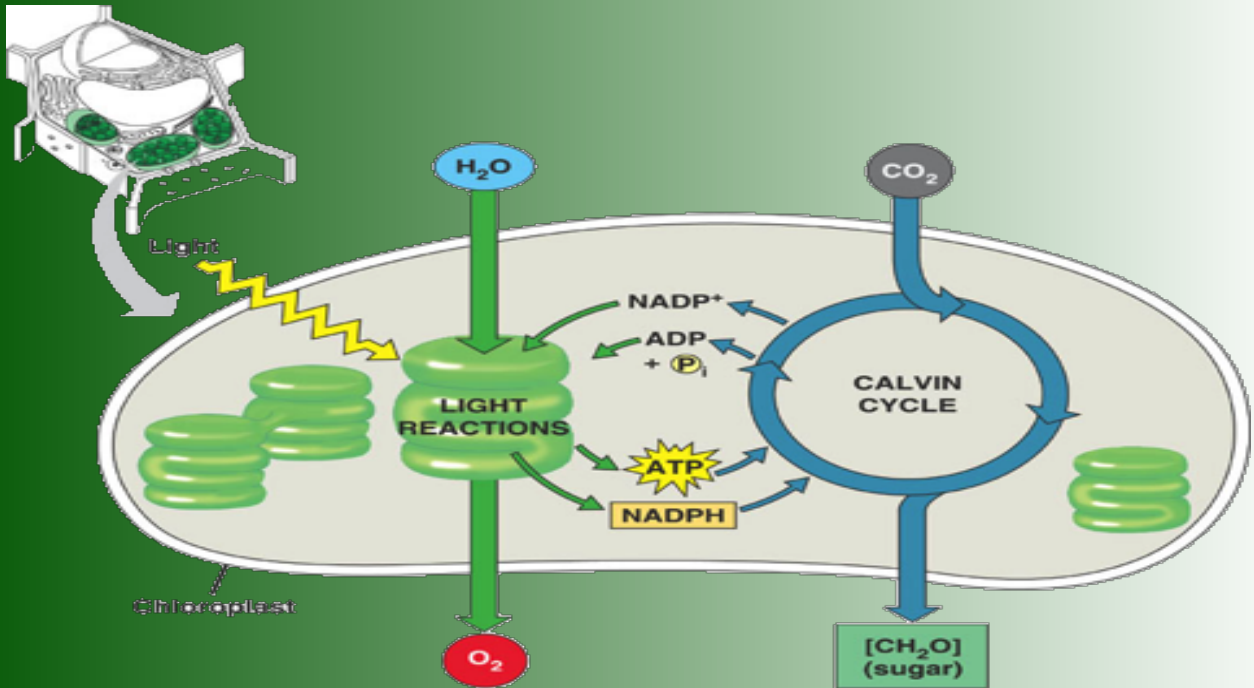
Review Light Reactions

chloroplast stroma

Touch Animation



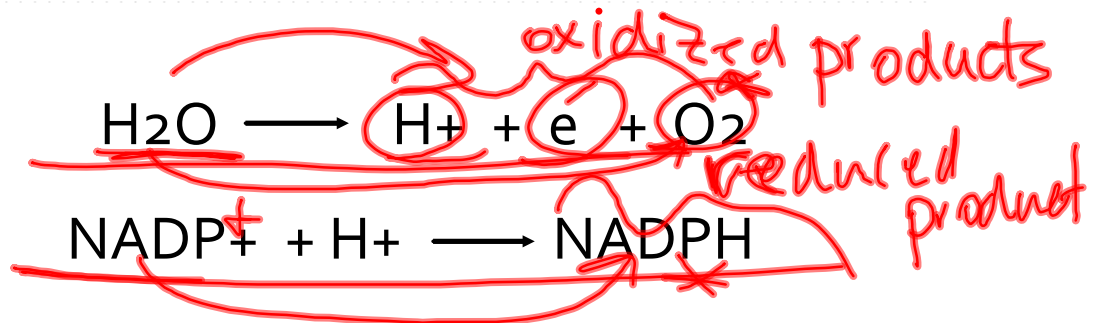
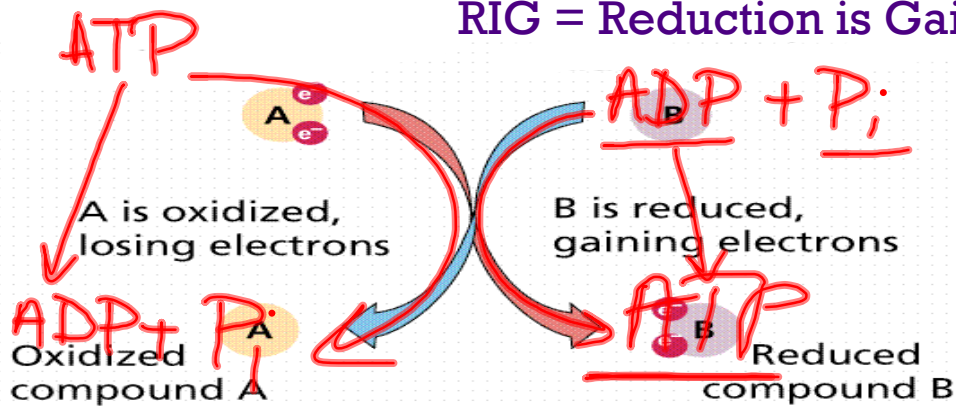
Dark Reactions/ Calvin Cycle/ Light Independent Reactions

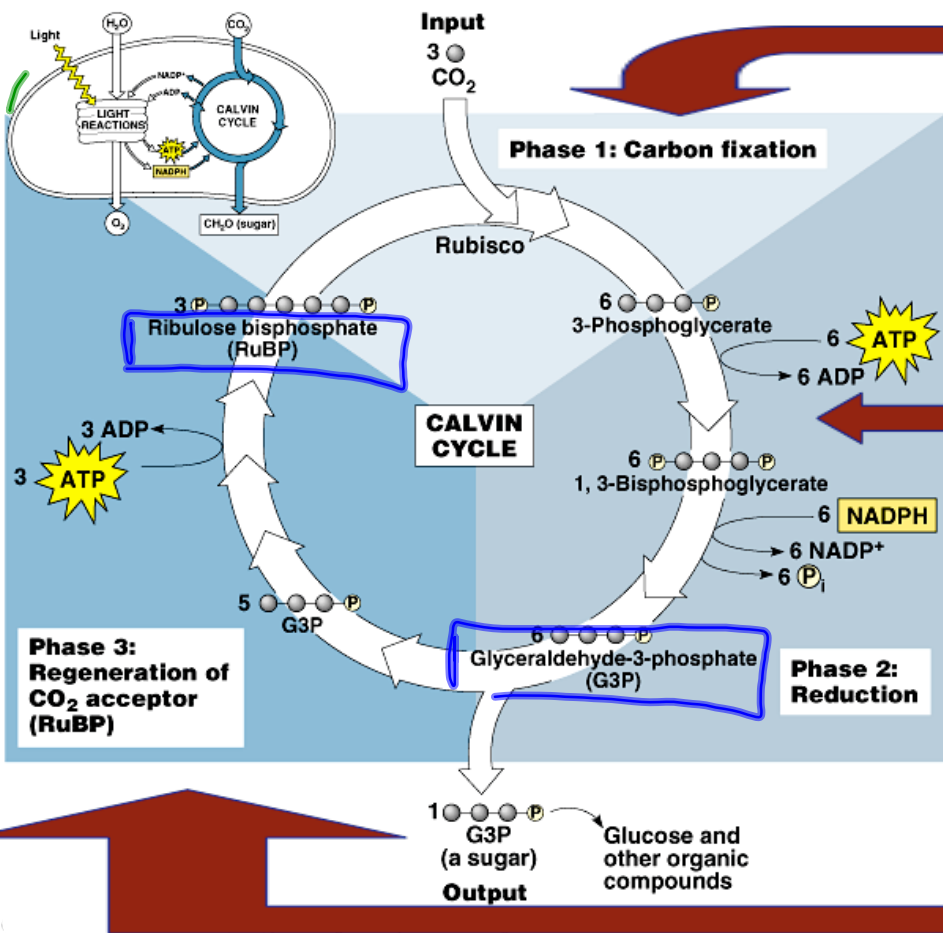


Photosynthesis is a series of **REDOX** (reduction-oxidation) reactions.

Use the mnemonic tool, **OIL RIG**, to remind you of what oxidation and reduction reactions entail.

OIL = Oxidation Is Losing
RIG = Reduction is Gaining





∞ Carbon dioxide is added to RuBP creating an unstable 6-C compound called PGAL

∞ Rubisco splits into 2 3-C compounds called PGAL (12 are made) G3P

∞ 2 PGALs combine to form glucose (6-C) which is released into the phloem in the leaf

∞ The rest of the PGALs (10 of these) go on to reform RuBP