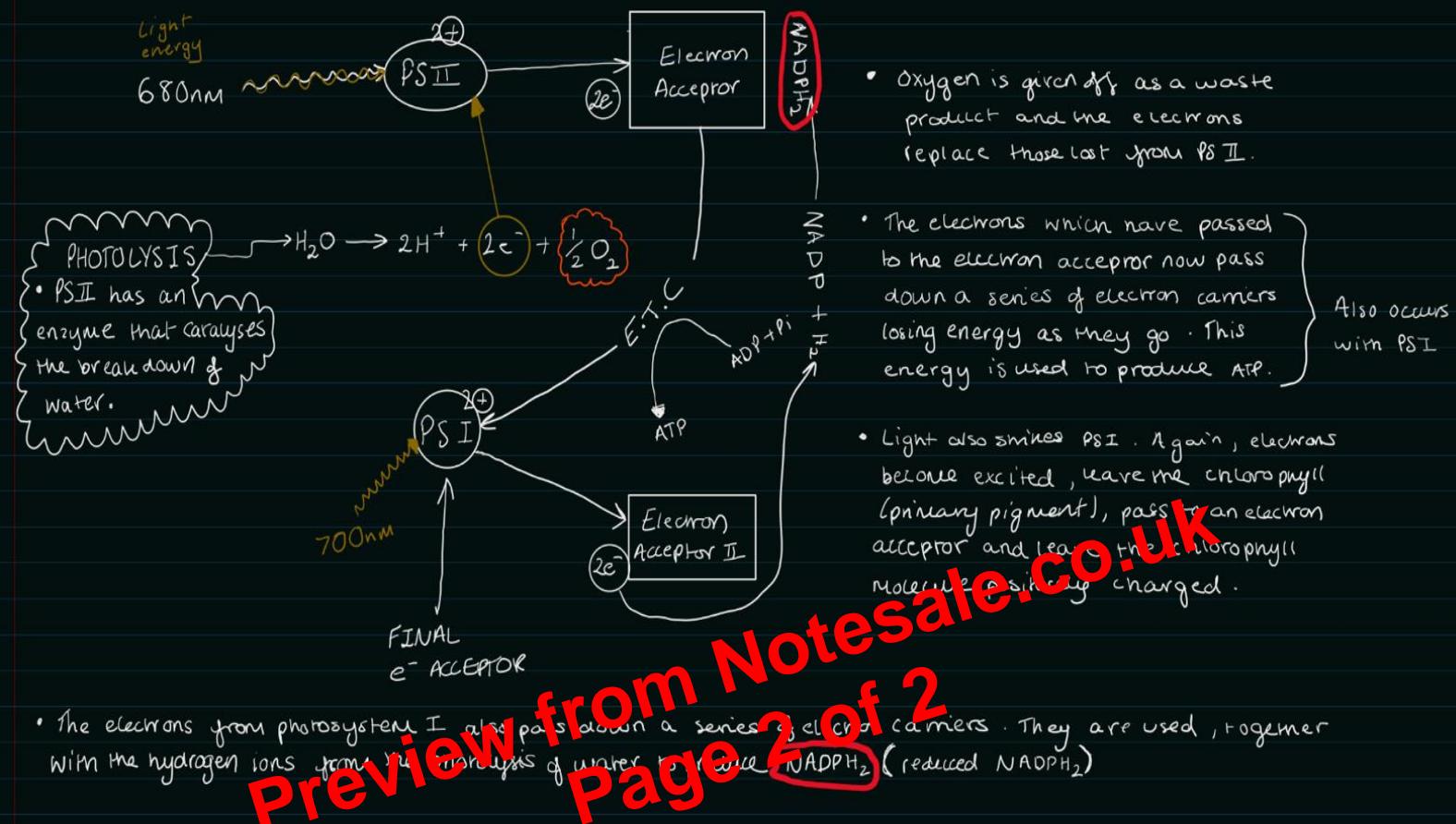


NON CYCLIC PHOTOPHOSPHORYLATION (z-Scheme).



- The electrons from photosystem I also pass down a series of electron carriers. They are used together with the hydrogen ions from the photolysis of water to reduce NADP^+ (reduced NADP^+)

In CYCLIC PHOTOPHOSPHORYLATION - photosystem II is NOT used! ← Only PS I

- Doesn't produce NADP^+ , not enough protons for e^- to bond with → they move back down to produce more ATP.

The light independent reaction - The Calvin Cycle.

- These reactions are very temperature sensitive
- Can't take place without products produced by light dependent stage.
- They're catalysed by enzymes. → These are activated indirectly by light.