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| --- | --- | --- |
| Photosynthesis |  | Cellular respiration |
| Make Food (glucose) | Purpose | Make Energy (ATP) |
| Plants | Organisms | All living things |
| Chloroplast | Organelle | Mitochondria |
| CO2 + H2O + Light | Reactants | O2 + C6H12O6 |
| O2 + C6H12O6 | Products | CO2 + H2O + ATP (energy) |
| CO2 + H2O + Light 🡪 O2 + C6H12O6 | Equation | O2 + C6H12O6 🡪 CO2 + H2O + ATP (energy) |
| Calvin Cycle | Cycle | Kreb’s Cycle |