

KEY FACTS

- $6\text{CO}_2 + 6\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2$ (light, chloroplasts)
- Three limiting factors: light, CO_2 , temperature
- Leaf structure: palisade (chloroplasts), spongy (air spaces), stomata (gas exchange)

EQUATIONS / FORMULAS**KEY TERMS**

Limiting factor	Factor in shortest supply — controls photosynthesis rate
Palisade cell	Packed with chloroplasts near leaf top — main photosynthesis site

■ EXAM TIP: Rate plateauing = another factor limiting. Always identify WHICH factor.