**Photosynthesis**

Photosynthesis is a chemical reaction used by plants and other organisms to store energy as glucose. The process changes carbon dioxide and water into glucose and oxygen and requires light energy.

\[ 6 \text{H}_2\text{O} + 6\text{CO}_2 \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 \]

**Cellular Respiration**

Cellular respiration is a chemical reaction used by most organisms to generate energy from glucose. The process changes glucose and oxygen into water and carbon dioxide and releases chemical energy for the cell.

\[ \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 \rightarrow 6\text{H}_2\text{O} + 6\text{CO}_2 \]

*Atoms and Molecules: Photosynthesis
http://edgerton.mst.edu/atoms-molecules

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