

First Law of Thermodynamics in Biological Systems

- All biological organisms require energy to survive. In a closed system, such as the universe, this energy is not consumed but transformed from one form to another.
- Cells, for example, perform a number of important processes. These processes require energy. In [photosynthesis](#), the energy is supplied by the sun.
- Light energy is absorbed by cells in plant leaves and converted to chemical energy
- The chemical energy is stored in the form of glucose, which is used to form complex carbohydrates necessary to build plant mass.

Biological Thermodynamics

Tao Wei



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