

## Energy and Enzymes

I. Energy, flow of energy, energy transformations

II. ATP and the ATP Cycle

III. Enzymes

IV. Organelles and the flow of energy

**Key Terms:** Potential energy. Kinetic energy, first law of thermodynamics, second law of thermodynamics, entropy, ATP, energy flow, metabolic pathway, enzyme, active site, energy of activation, exergonic reaction, endergonic reaction, enzyme inhibition.

### Recommended videos:

1. Bozeman (Mr. Anderson): Enzymes (11:52 min)
2. Alaaibdair: How enzymes work (1:07 min)