

## Energy Discussion Topics

Gravitational Potential Energy

Kinetic Energy

Conservation of Mechanical Energy – Roller-Coaster, Pendulum

Hydroelectric Energy – Courtright and Wishon Reservoir System

Friction, Prius

Explosion Energy Flow:

Nuclear → Electrical → Chemical → Mechanical, Sound, Light, Heat

Elastic energy and sound waves

Binding energy – Chemical and Nuclear

Electromagnetic wave energy

Heat energy – steam engines, refrigerators

Momentum – Newton's Cradle, Cannon

Angular momentum – Skaters, Spinning wheel