

## Chapter 4: Energy

### I Can Statements

I can...

1. define energy
2. Distinguish between the 5 types of energy: mechanical, electromagnetic, chemical, nuclear, and heat.
3. Explain the energy conversions that take place in a simple system such as a flashlight.
4. State the law of conservation of energy.
5. Calculate gravitational potential energy.
6. Calculate kinetic energy.
7. Explain the kinetic and potential energy conversions that occur in a pendulum.
8. Give kinetic and potential energy examples of the 5 energy types.
9. Relate food energy units to scientific energy units.