

# Study Guide: Unit 2 Test -Your test is on Monday, November 3, 2014

## Different forms of energy

### 1 WHAT IS ENERGY?

- Energy is the ability to do work or effect change (p. 71).
- **What are the different forms of energy that exist?**
- Energy transfer is the movement of energy from one place to another (p. 71).
- Energy transformation is the changing of energy from one form to another (p. 71).
- **What is the law of conservation of energy? (p. 71)**
- Energy efficiency is the percentage of energy consumed by a machine or system that was transformed into useful energy (p. 72). **You must know how to do these calculations.**
- What are the different forms of renewable and non-renewable energy seen in class?
  - Solar energy
  - Wind energy
  - Geothermal energy
  - Hydraulic energy, wave energy, tidal energy
  - Fossil fuels
  - Nuclear power
- How do we obtain electricity from each of these natural sources?
- What is the difference between **heat and temperature**?

**Good Luck!**

**Remember tutorials are every day during lunch (day 3 and 5 in the cafeteria)**

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