


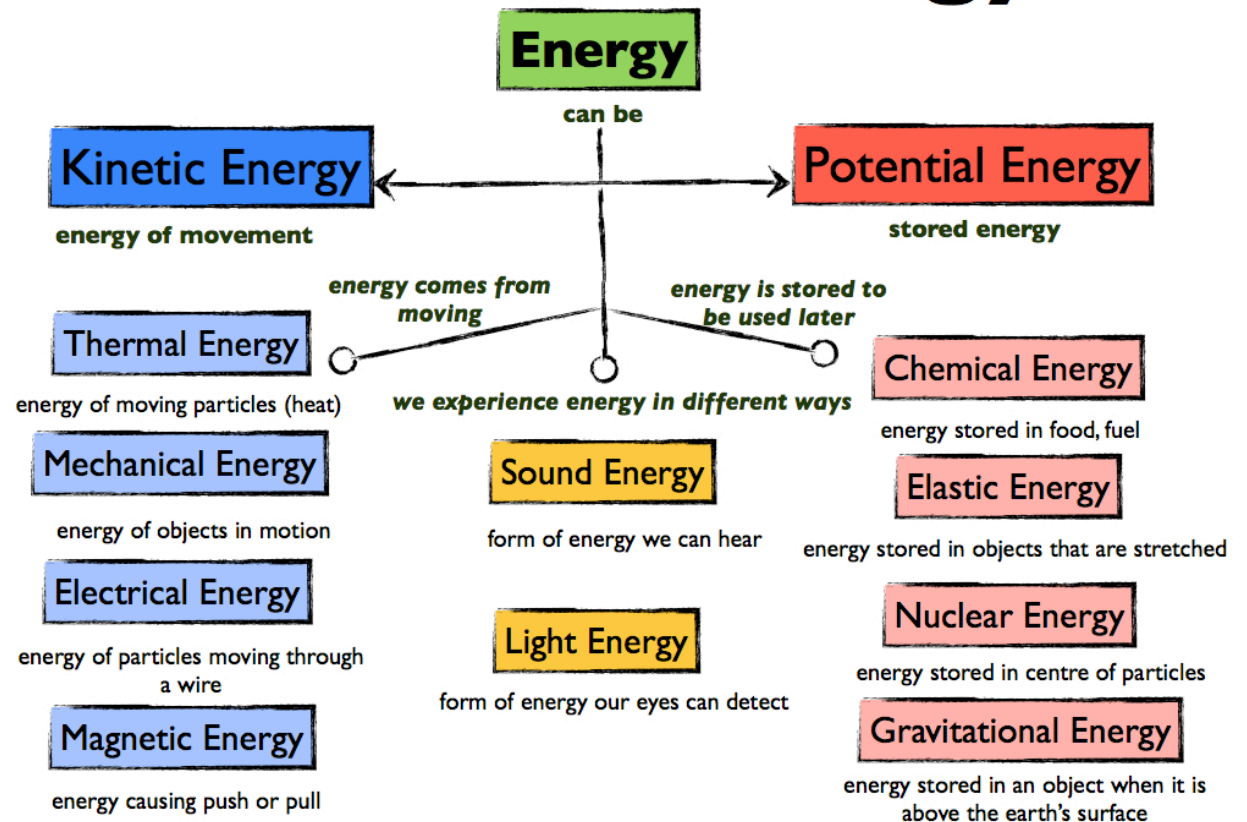
This lesson can also be found on the class website: www.mskuksclass.weebly.com. Science Unit 4, Lesson 2: Forms of Energy

Lesson 2: Forms of Energy

- **Energy** is essential for life. It is the ability to do work, and allows us to live. There are many different forms of energy.
- **Energy is the ability to do work or make objects move.** For example, the energy stored in fuels like gasoline can be used to make a car move. The energy in gasoline is a form of energy called chemical energy.

| Form of Energy | Icon/ Logo |
|----------------|---|
| e.g.) Thermal |  |
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Forms of Energy



Name: _____

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Comic Strip

Each day we experience multiple forms of energy. For example, in the morning you eat breakfast (chemical energy), walk/ bike/ drive to school (mechanical energy), and come into a classroom full of light (light energy) and sound (sound energy). On the board are magnets (magnetic energy) holding items in place, shooting across the room is (unfortunately) an elastic (elastic energy), falling to the ground is a pencil (gravitational energy), at the front of the room is a smartboard with the day's lesson (electrical energy). Even though we may just be learning the names, we are very used to using all ten forms of energy.

On your handout, draw a short, 4-block comic strip showing a part of your day (real or imagined) **and identify all of the forms of energy used in the strip.**

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| Lesson 2: Forms of energy in my comic | Lesson 3: Energy transformations in my comic |
|---------------------------------------|--|
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Save the World Game Tracking Sheet

| | |
|---|---|
| <p>The countries I saved are:</p> | <p>Generation is when:</p> |
| <p>Tidal energy is best used in the following situations:</p> | <p>I think the best type of alternative energy is: _____ because:</p> |

Alternative Energy

- In **alternative energy**, generators convert different types of natural energy into electrical energy
- **Examples:**
 - **Tidal:** Mechanical energy from tides
 - **Wind:** Mechanical energy from wind
 - **Solar:** Thermal energy from sun
 - **Hydroelectric:** Mechanical energy from water
 - **Geothermal:** Thermal energy from the earth's crust

Sci/ Geo Unit 4

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