Chapter 6 Lesson 3

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**Terms:**

**Heat**: the movement of energy from a warm object to a cold object

**Light:** energy that allows us to see objects

**Radiant Energy:** light and heat from the sun

**Solar Energy:** radiant energy from the sun

**Chemical Energy:** energy stored in food and fuels.

**Electrical Energy:** the movement of charged particles]

**Nuclear Energy:** comes from tiny particles

**Notes:**

***What are some forms of energy?***

* Heat is the flow of energy from one object to another.
* Heat flows from a **warmer** object to a **cooler** object.
* **Light** is a form of energy from the sun.
* **Sunlight**  is used by **plants** to make food during **photosynthesis.**
* **Radiant** energy includes both light and heat

***How does energy change?***

* plants change light energy from the sun into **chemical** energy in food
* a lamp can change **chemical** energy into **light and heat** energy
* when something is heated- the **temp**. changes
* matches use **chemical** energy to produce **light and heat**
* **Temp.** measures avg. energy of particles in a substance

***How does heat change matter?***

* particles of matter are always in **motion**
* adding energy makes particles move **faster** and spread **farther apart**
* adding energy causes matter to **melt** or **burn**

***What would make a good pot holder?***

\*things that are not good conductor

 - cotton

 -wooden spatulas