Forms of Energy (p.210-211)

\_\_\_\_\_Work\_\_\_\_\_\_\_\_- is the transfer of \_\_\_energy\_\_\_\_\_\_ that occurs when a \_\_\_\_force\_\_\_\_\_\_\_

is applied over a \_\_\_\_distance\_\_\_\_\_\_\_\_\_

* Depends on both \_\_force\_\_\_ and \_\_\_\_\_distance\_\_\_
* Equation: Work = Force X Distance; W = Fd

Forms of Energy

1.\_\_\_Mechanical Energy\_\_\_\_\_-total energy of an object or group of objects due to large-scale

\_\_motions\_\_\_ and \_\_\_\_\_\_\_interactions\_\_\_\_

2.\_\_\_Sound Energy\_\_\_- the energy that \_\_\_sound\_\_\_ carries;

* \_\_\_Vibrating\_\_\_\_\_ objects emit sound energy

3. \_\_\_Thermal Energy\_\_\_\_\_- energy due to the \_\_\_motion\_\_\_\_ of \_\_\_\_\_\_particles\_\_ that make

 up an object

* Thermal energy moves from \_\_\_\_warmer\_\_ objects to

\_\_colder\_\_\_ objects

4. \_\_\_Electric Energy\_\_\_\_- is the energy that an \_\_\_\_electric\_\_\_\_\_ \_\_\_current\_\_ carries

5. \_\_\_Radiant Energy\_\_\_\_\_- the energy that \_\_\_\_electromagnetic\_\_\_\_\_ waves carry

* Sometimes radiant energy is called \_\_\_\_Light Energy\_\_\_\_

6. \_\_Nuclear Energy\_\_\_\_\_- is energy that is stored in the \_\_nucleus\_\_\_of an atom

Go back and write an example next to each form of energy!