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!