**Chapter 5 Quiz Study Guide**

* Make sure you know the definition and examples for the following terms: Kinetic energy, potential energy (and its 3 forms), work, nuclear energy, sound energy, radiant energy, thermal energy, electrical energy, mechanical energy, friction, and The Law of Conservation of Energy.
* Make sure you know the 2 things kinetic energy depends on.
* Make sure you know the 2 things gravitational potential energy depends on.
* Given examples, make sure you know what must occur for work to be done.
* Given examples, be able to identify what energy transformation has taken place.
* Make sure you know and understand the basketball example of how kinetic and potential energies change as the ball rises and falls.
* Understand how friction is involved and in general, what energy transformation takes place when friction occurs.

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