Study Guide for Chapter 9

1. Know what work is and how to recognize it
2. Know what energy and work are expressed in –
3. Know what can increase gravitational potential energy –
4. Know different kinds of kinetic energy –
5. Know different kinds of potential energy –
6. Know that any form of energy can be converted into any other form of energy
7. Know what machines are used for
8. Know why friction is present in all energy conversions and what friction changes into during an energy conversion –
9. Know the law of conservation of energy –
10. Why is perpetual motion impossible
11. Know what the energy in food is called –
12. Be able to tell the difference between kinetic and potential energy. Examples of objects in certain positions will be named and you need to be able to tell me which type of energy it is.
13. Be able to tell what kind of energy is used in different devices
14. Know the difference between a renewable and nonrenewable resource
15. What is the source of most of the energy on Earth? -