REVIEW: Energy Unit **Name-_____ Date- _____**
Test Date: _____

Notes: Energy Transformation Unit

_____ 1. __ is the ability to do work.
_____ 2. __ occurs when a force is transferred to an object and the object moves in the direction of the force.
_____ 3. __ energy is energy of motion.
_____ 4. True or False All moving objects have kinetic energy.
_____ 5. The formula to find kinetic energy is:
_____ 6. __ energy is energy due to an object's shape or position (stored energy).
_____ 7. What two things does PE (or GPE) depend on?
_____ 8. __ energy is the sum/total energy of potential and kinetic energy. (Stays constant)

9. What does the Law of Conservation of Energy state?

_____10. True or False Energy can be changed from one form to another.

Worksheet: Potential and Kinetic Energy (examples)

11. Read over the 25 examples of PE and KE and be prepared to identify several of each!

Worksheet: Different Forms of Energy

12. Read over the bullet points of the different energy transfers (transformations).

Worksheet: Conservation of Energy

13. Read over the 11 examples of energy transformations to remind yourself of how energy changes forms!

PowerPoint: ENERGY

Forms of Energy:

_____14. __ is the ability to do work.
_____15. __ energy is the total amount of energy in the movement/motion of the particles contained in matter; also may involve "heat".
_____16. Which has more thermal energy: ice swan sculpture or a match? Why?
_____17. __ energy is thermal energy that is transferred between 2 objects of different temps.
_____to_____18. Heat energy always flows from __ to __ temperatures.
_____19. __ energy is energy stored in an object's chemical bonds (like "food").
_____20. __ energy results from moving charges (like lighting a lamp).