CUA3 skills checklist

Be able to:

1. List the different forms of energy.

2. Compare and contrast the characteristics of different forms of energy.

3. Analyze an energy transformation diagram and identify the energy being transferred.

4. Understand and explain the Law of Conservation of Energy

5. Understand and explain the relationship between potential and kinetic energy.

6. Calculate total KE and GPE in a system using the formula.

7. Provide examples of heat, light, electricity, mechanical motion and sound energy.

8. Classify heat transformation as conduction, convection and radiation.

9. Explain the differences between the 3 methods of heat transfer.

\*\* homework 12/15 – rough draft

Constructed response questions

Using the Law of Conservation of Energy describe the work involved in the energy transformation of a bowling ball as it rolls toward and hits a bowling pin.

Describe two energy conversions that take place when you warm a cup of cocoa in a microwave oven.

bonus items:

D-cell batteries (4 pack = 40 pts)

ream of copy paper (5 pts per 100 sheets)

sanitizer (1 point per ounce)