

Name: _____

Energy Sources, Systems, and Conversions Quiz

You have 25 minutes to finish this quiz. Please make sure to fill in all blanks.

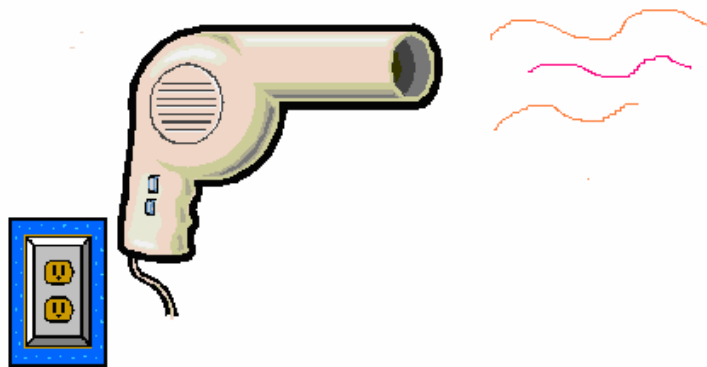
1. What does “**SCREAM Today**” stand for?

sound, chemical, radiant (light), electrical, atomic (nuclear), mechanical, thermal (heat)

2. Why is wind a *renewable* source?

The supply of wind can never be depleted-- we will never run out of wind.

Answer the next question using the picture below



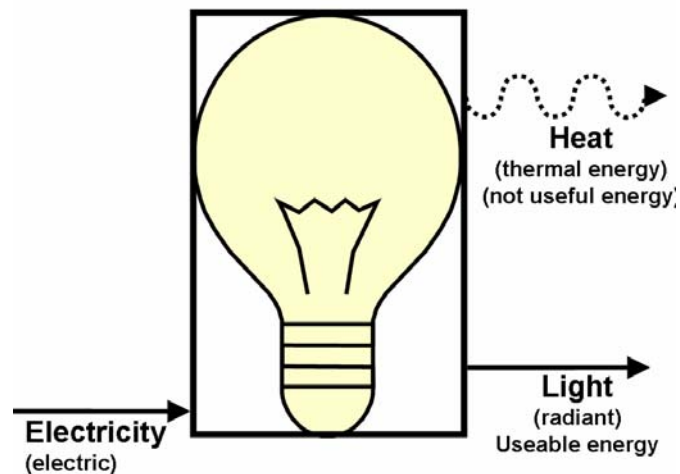
3. The energy is converted from the **electric** form to the **heat and mechanical** form.

4. Energy can be produced and lost? True or **False** (please circle the correct answer) and explain. **The laws of thermodynamics say that energy is conserved. It cannot be created or destroyed, just converted from one form to another.**

5. What is kinetic energy?

Energy of motion (or in moving things)

6. Draw the energy forms and conversion block diagram for a light bulb.



7. ***Manure*** is a biomass material that can be used to produce electricity.

8. What is one interesting fact that you learned while doing the energy source research.