

KEY

Light & Heat

Pre/Post Poll-Circle the best answer

1. An incandescent light bulb transforms 90% of the electrical energy into light and 10% into heat.
 - a. True
 - b. False**
2. A LED transforms 90% of the electrical energy into light and 10% into heat.
 - a. True**
 - b. False
3. Which light bulb is most energy efficient?
 - a. Incandescent
 - b. Halogen
 - c. LED**
4. What is the lifecycle cost of a light bulb?
 - a. Cost of Electricity + Light Bulb Brightness
 - b. Cost of Light Bulb + Cost of Electricity**
 - c. Light Bulb Brightness + Number of Light Bulbs

5. Which bulb could be described as a “heat bulb” instead of a light bulb?

Incandescent-90% of the electrical energy is transformed into heat (thermal) energy

6. What is one thing you can do at SCHOOL this week to save energy?

Answers vary-Turn off lights when going to specials/lunch; Start an energy patrol; Make sure water in bathroom sinks is turned off; etc.

7. What is one thing you can do at HOME this week to save energy?

Answers vary-Decide what I want to eat before opening refrigerator door; Use a fan instead of AC; Wear a sweater instead of turning heat up; Play a board game/read a book instead of playing video games; Buy LED's for lamps; etc.