

Name: _____ Pd: _____

ENERGY CONVERSION AND CONSERVATION SCIENCE STARTERS

10/17-10/20/2023

***ALL UNIT SCIENCE STARTERS MUST BE TURNED IN BY THE UNIT TEST TO
RECEIVE CREDIT***

Date:	Question:	Answer:
Tuesday <div>/2</div>	Tabitha ate a turkey sandwich and an apple for lunch. Later that day, she ran 2 miles during soccer practice. Which of the following energy transformations occurred between lunchtime and the end of Tabitha's run? A. Thermal energy was converted to kinetic energy. B. Kinetic energy was converted to chemical energy. C. Electrical energy was converted to thermal energy. D. Chemical energy was converted to mechanical energy.	
Wednesday <div>/2</div>	Many machines give off heat as they do work. What happens when heat energy is given off? A. Solid fuel is transformed into liquid fuel. B. Mass is transformed from one form to another. C. Matter is transformed from one form to another. D. Energy is transformed from one form to another.	

Wednesday <div>/2</div>	Which of the following is one of the energy conversions taking place in a campfire? A. Heat to light B. Heat to kinetic C. Chemical to light D. Light to chemical
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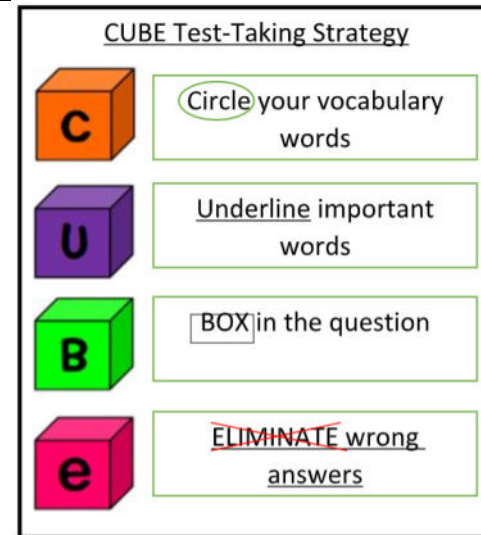
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<p>Wednesday</p> <p>/2</p>	<p>Which of the following is one of the energy conversions taking place in a campfire?</p> <p>A. Heat to light B. Heat to kinetic C. Chemical to light D. Light to chemical</p>
<p>Thursday</p> <p>/2</p>	<p>Harry uses a pulley to put up a bucket of water from a well. He uses chemical energy in his body to apply mechanical energy to the system. Which of the following energy transformations also occurs as the bucket rises?</p> <p>A. Energy is gained as potential energy is transformed to kinetic energy. B. Energy is gained as kinetic energy is transformed to potential energy. C. Energy is conserved as potential energy is transformed to kinetic energy. D. Energy is conserved as kinetic energy is transformed to potential energy.</p>

<p>Friday</p> <p>/2</p>	<p>To bring heavy boxes down a flight of stairs, Tyrone uses a ramp. He slides the boxes down the ramp. The movement transforms one type of energy into two other forms. Which of the following describes the way that most of the energy is transformed?</p> <p>A. Potential energy into chemical energy and mechanical energy. B. Potential energy into light energy and mechanical energy. C. Potential energy into sound and chemical energy. D. Potential energy into heat and kinetic energy.</p>
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	D. Energy is conserved as kinetic energy is transformed to potential energy.
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