Energy Transformations

Key Concept What is the law of conservation of energy?

Directions: On each line, write the term from the word bank that correctly completes each energy transformation: Some terms will be used more than once.

•	electrical energy	radiant energy		y ther	mal energy
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	ections: Respond to each sta		13 284		(4.4)
5.	Describe another examenergy.	nple of energy cha	inging form that do	es not include	electrical
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6.	What are two statement of energy?	ts you can make a	bout energy based o	on the law of c	onservation
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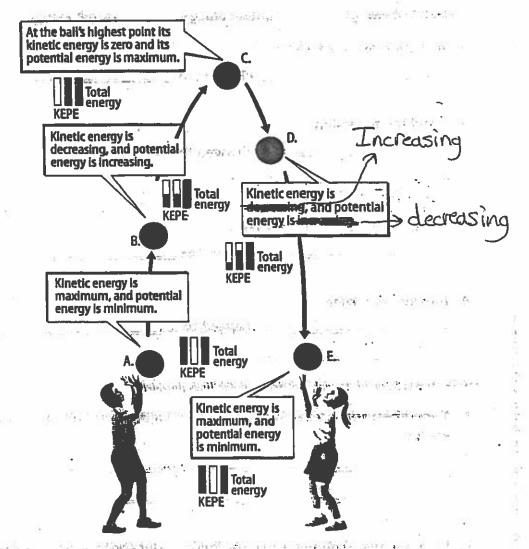
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LESSON 2

Energy Transformations

Key Concept What is the law of conservation of energy?

Directions: In the diagram below, a ball has just been thrown and is about to be caught. Use the diagram to answer each question.



- 1. At which stage is kinetic energy at the maximum value?
- 2. At which stage is potential energy at its minimum?
- 3. At which stage is the kinetic energy zero? _____
- 4. At which stage is the potential energy at the maximum value? _____
- 5. Which stage has increasing kinetic energy and decreasing potential energy?
- 6. Which stage has decreasing kinetic energy and increasing potential energy? _____

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