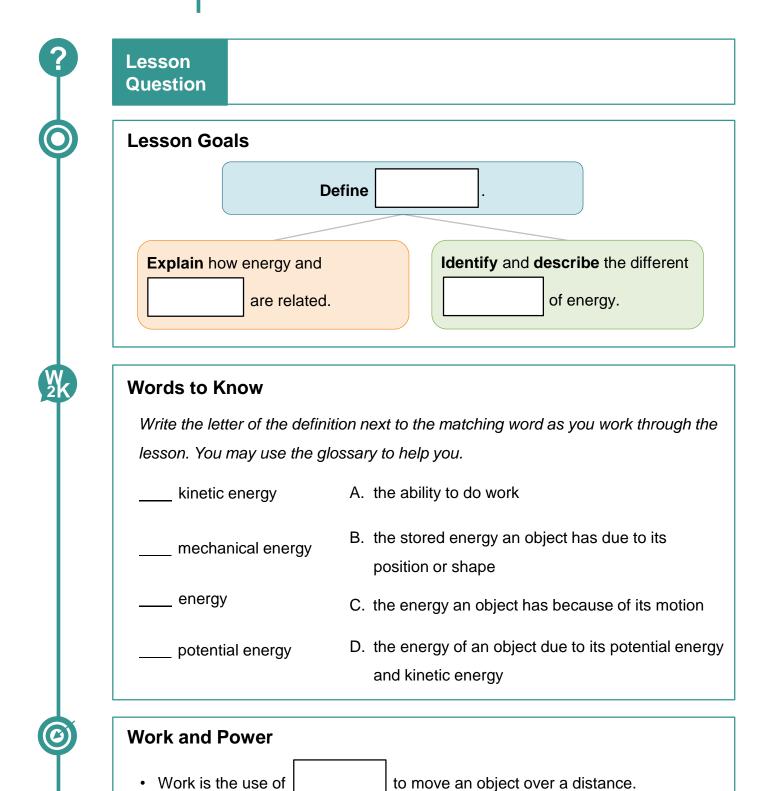
Edgenuity®

Warm-Up

Introduction to Energy



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is the rate at which work is done.

Instruction

Introduction to Energy

2

Energy				
• is the at	pility to do work.			
Work being done	Work being done means energy is being .			
Work and Energy				
• Work	energy.			
Work can	energy between objects.			
Work can cause a change in the of energy.				
Work can change potential energy into energy, or the				
energy of motion				
Energy and work share the same unit— (J).				
Words to Know Fill in this table as you work through the lesson. You may use the glossary to help				
you.				
compress	to press in to make more			

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the energy stored in the

of atoms

chemical potential

energy

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'		
Words to Know		
elastic potential energy the energy stored in a compressed or object		
gravitational potential energy of an object due to its all all a surface		
internal energy the potential and kinetic energies of the particles in a substance		
 Kinetic and Potential Energy energy is the energy an object has because of its More = more energy More motion = more energy is stored energy because of an object's or shape. 		
• energies.	ergy is the energy of an object because of its potential	

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and position

• Due to

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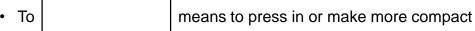
Introduction to Energy

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Gravitational Potential Energy			
•		pc	tential energy is energy of an object because of its
		above a s	urface.
	• More		= more energy
	• More		= more energy

Elastic	Potential	Energy
---------	-----------	--------

•		potential energy is energy stored because of stretching or
	compressing a	an object.





Words to Know

Fill in this table as you work through the lesson. You may use the glossary to help you.

the energy stored in the nucleus of an atom
a disturbance that carries energy from one place to another through matter and space
a type of wave that carries energy through space where there is almost no matter

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Words to Know			
	the energy associated with electromagnetic waves		
	the energy due to the flow electrical charges		
	the part of total internal energy that can be transferred		
Kinetic and Potential Energ	gy at Different Scales		
Energy is described using two	o different scales: the energy of the		
object or the energy of the particles that make up the object.			
is the total potential and kinetic energies of the			
particles in a substance.			
potential Energy potential energy is energy stored in the chemical bonds of atoms.			
Th			
energy is part of the total internal energy transferred between substances.			

Instruction

Introduction to Energy

12

Nuclear Energy

	energy is energy stored in the nucleus of an atom
	chergy is chergy stored in the hadicas of all atom

Electrical Energy

Can be positive or

14

Radiant Energy

- A is a disturbance that carries energy from one place to another.
 - An wave is a type of wave that carries energy through space where there is almost no matter.
 - energy is energy associated with electromagnetic waves.

Summary Introduction to Energy

•		
Lesson Question	What is energy?	
Answer		
Review: Ke	y Concepts	

Review: Key Concepts		
Energy is	the ability to do . There are many forms of energy:	
•	energy	
•	energy	
•	energy	
•	potential energy	
•	potential energy	
•	energy	

Summary

Introduction to Energy



. [potential energy
• [energy
• [energy
• [energy
•	energy

Use this space to write any questions or thoughts about this lesson.