Name			Class Number	Class Period				
3-1 V	Vhat are the two	basic kinds of energy?	(use Orange F	Physical Science Book p. 42)				
1.	What is another name	e for gravitational potential ene	ergy?					
2.	When a baseball player is holding a baseball bat, what kind of energy does the bat have?							
3.	. When the baseball player is swinging a bat, what kind of energy does the bat have?							
4.								
	person B is running at a pace of 12 km per hour. Which runner has more kinetic energy?							
	Why?							
5.	5. Two people are walking to school at a rate of 5 km per hour. Person A weighs 600 newtons, Person E weighs 555 newtons. Which person has more kinetic energy?							
_	Why?	7-1						
b.	In what unit is potenti	al energy measured?		an array d. Milhigh has made				
7.		) kg stone are raised to the san						
	wnyr							
**Stı	udy each situation and	decide whether the situation in	nvolves potential	or kinetic energy, then describe why.				
		Energy Type		Why?				
	<u></u>							
	Marie Control of the							
	E STOWN							
	R							
	11573040							
	and the second of the second o							
	The state of the s							
	ClipartOf							
	www.clpariof.com · 201010							
	53/1///							
	C D							
	5 25							
	Carl Cham)							
	Fig. 5.11	I	I					

\*\*Each of the following items has potential energy or kinetic energy. Write a P for potential energy and a K for kinetic energy in the space provided.

Water falling over a dam	Parked car
Water in a cup	Running dog
Park bench	Falling raindrop
Rock on the ground	Speeding bullet
Moving car	Rolling ball

<u>Column 1</u>	<u>Column 2</u>
1. Work	<ul> <li>a. Total amount of kinetic and potential energy in a system</li> </ul>
2. Energy	b. Energy may change from one form to another, but cannot be created or destroyed.
3. Mechanical energy	c. Stored energy
4. Potential energy	d. Transfer of energy through motion
5. Kinetic energy	e. Energy in the form of motion
6. Law of conservation of energ	y f. The ability to cause change
Write a K for kir	ergy to decide what kind of energy each example listed below han netic energy and P for potential.
Write a K for kir	
Write a K for kir1. A moving skateboard2. A rock at the edge of a cliff	
Write a K for kir  1. A moving skateboard  2. A rock at the edge of a cliff  3. A glass of milk	
Write a K for kir  1. A moving skateboard 2. A rock at the edge of a cliff 3. A glass of milk 4. Gasoline	netic energy and P for potential.
Write a K for kir  1. A moving skateboard 2. A rock at the edge of a cliff 3. A glass of milk 4. Gasoline 5. A basketball passing through	netic energy and P for potential.
Write a K for kir  1. A moving skateboard  2. A rock at the edge of a cliff  3. A glass of milk	netic energy and P for potential.
Write a K for kir  1. A moving skateboard 2. A rock at the edge of a cliff 3. A glass of milk 4. Gasoline 5. A basketball passing through 6. A dry cell of a battery 7. An acorn hanging from an oa	the hoop
Write a K for kir  1. A moving skateboard 2. A rock at the edge of a cliff 3. A glass of milk 4. Gasoline 5. A basketball passing through 6. A dry cell of a battery	netic energy and P for potential.

\*\*Use your answers from the previous section to complete the following.

Determine which of the above examples of <a href="POTENTIAL">POTENTIAL</a> energy are gravitational potential energy and which are chemical potential energy. Write your answers in the box provided.

Gravitational Potential Energy	Chemical Potential Energy		