Name		_ Class Number	Class Period
3-1 What are the	two basic kinds of energy?	(use Orange Phys	sical Science Book p. 42)
 When a baseba When the base Two people are person B is rung Why? Two people are weighs 555 new Why? In what unit is possible. A 50 kg stone a gravitational possible. 	r name for gravitational potential er II player is holding a baseball bat, who ball player is swinging a bat, what kit running a five-kilometer race. Personing at a pace of 12 km per hour. We walking to school at a rate of 5 km vtons. Which person has more kined to the same at 70 kg stone are raised to the same tential energy?	hat kind of energy does nd of energy does the lon A is running at a pactrick runner has more longer hour. Person A we tic energy?	s the bat have?bat have? ce of 15 km per hour, while kinetic energy? lighs 600 newtons, Person B round. Which has more
**Study each situatio	n and decide whether the situation	involves potential or ki	
	Energy Type		Why?
		yar ninto node.	
	exe di cyurens lu broi frite nitri il bese e e e e e e e e e e e e e e e e e		
Properties 115730404		i ja een targus	
are an and other China			
Denies 1			

**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
	Water in a cup Park bench Rock on the ground

Column 1	Column 2
-	
1. Work	 a. Total amount of kinetic and potential energy in a system
2. Energy	 Energy may change from one form to another, but i cannot be created or destroyed.
3. Mechanical energ	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 conservati	on of energy f. The ability to cause change
definitions of kinetic and po	tential energy to decide what kind of energy each example listed below ha
Writ	e a K for kinetic energy and P for potential.
Writ	e a K for kinetic energy and P for potential.
Writ1. A moving skatebo2. A rock at the edge	e a K for kinetic energy and P for potential.
Writ1. A moving skatebo2. A rock at the edge3. A glass of milk	e a K for kinetic energy and P for potential.
Writ 1. A moving skatebo 2. A rock at the edge 3. A glass of milk 4. Gasoline	e a K for kinetic energy and P for potential. ard of a cliff
Writ 1. A moving skatebo 2. A rock at the edge 3. A glass of milk 4. Gasoline 5. A basketball passi	e a K for kinetic energy and P for potential. and of a cliff ing through the hoop
Writ 1. A moving skatebo 2. A rock at the edge 3. A glass of milk 4. Gasoline 5. A basketball passi 6. A dry cell of a bat	e a K for kinetic energy and P for potential. ard of a cliff ing through the hoop ery
Writ 1. A moving skatebo 2. A rock at the edge 3. A glass of milk 4. Gasoline 5. A basketball passi 6. A dry cell of a bat 7. An acorn hanging	e a K for kinetic energy and P for potential. and of a cliff ing through the hoop ery from an oak tree
Writ	e a K for kinetic energy and P for potential. and of a cliff ing through the hoop ery from an oak tree

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

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

Gravitational Potential Energy	Chemical Potential Energy