Physical Science	Date	Name	Da	y 1	

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Energy Word Search

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> chemical elastic electrical energy first law of thermodynamics heat joule kilowatt hour kinetic law of conservation of energy mechanical nuclear potential power second law of thermodynamics thermal watt work

"INTRODUCTION TO ENERGY" WORKSI	HEET Name				
		DateDay 1			
Part 1. The two basic types of energy Directions: Determine the best match betwee letter in the blank.	en basic types of energy and the	description provided. Put the correct			
1. A skier at the top of the mountain		(a) Kinetic Energy			
2. Gasoline in a storage tank		(b) Potential Energy			
3. A race-car traveling at its maximu	m speed				
4. Water flowing from a waterfall before	ore it hits the pond below				
5. A spring in a pinball machine before	ore it is released				
6. A match burning					
Part 2. Potential Energy. Directions: Underline the situation in each pair th	at has the greater amount of potent	ial energy.			
1. A stretched or unstretched spring?					
2. A ticking or newly wound-up clock?					
3. A new battery in an unlit flashlight or in	one which is lit?				
4. A roller coaster car at the top of a hill or	at the bottom?				
5. A match before it is lit or a match while	it is burning?				
Part 3. Kinetic energy. Directions: Underline the situation in each pair th	nat has the greater amount of kinetic	energy.			
1. A pole vaulter before jumping or in mid	1-air at the top of his jump?				
2. A bowling ball when your arm is all the	2. A bowling ball when your arm is all the way back or as it hits the pins?				
3. A baseball bat just before it is swung or	right after it is swung?				
4. You before you get out of bed in the mo	rning or you when you go to bed at	night?			
5. A match before it is lit or a match while	it is burning?				
Part 4. Energy transfer Directions: Write the prefix exo or endo on the sp 1. The melting of candle wax	pace provided to describe the change	es below.			
2. The burning of gasoline to produ	uce carbon dioxide and water				
3. The condensation of water into a	a liquid				
4. Getting a suntan					
5. Metabolism					
6. Photosynthesis					

7. In the margin of each situation above (part 4 only), place a "C" if the change was chemical and a "P" if the change was physical.