Part 1

1. Read each statement. Write True or False on the line.
 a. Moving objects have kinetic energy. b. Mechanical energy can be used to do work. c. The faster an object moves, the more potential energy it has. d. Wind has kinetic energy. e. Energy can be created.
2. Read each statement. Write (P) if it's Potential Energy or (K) if it's Kinetic Energy.
A car is traveling 45 mph.
A rock is on a ledge 5 meters high.
A car is resting at the top of a hill. A ball is thrown into the air and is still moving.
A ball rolling on the ground.
 Part 2 Directions: Circle to the answer that is most correct from the reading passage. 1. When does a ball thrown into the air have the <i>most</i> potential energy?
A) before it is thrown
B) just after it is thrown
C) at its greatest height D) just before it hits the ground
2. Which word has a meaning closest to the meaning of the word potential? A) large B)moving C) stored
D)wasted

	3.	Which word has a meaning <i>closest</i> to the meaning of the word "kinetic"?	
A)	lar	ge	
B)	B) moving		
C) stored			
D)	Wa	asted	
B) C)	use sav wa		
B) C)	A A A	Circle the answer choice that has more Potential Energy. 25 kg mass or a 30 kg mass at the top of a hill? car at the top of the hill or the bottom of a hill? plane on the ground or a plane in the air? full plane or an empty plane (both are flying)?	
B) C)	A Tv A	Circle the answer choice that has more Kinetic Energy. 25 kg mass or a 30 kg mass going 5 m/s. vo 10 kg masses, one going 75 m/s, one going 45 m/s. car at rest or a car rolling down a hill. heavy bike or a light bike.	
Sh	ort	Answer:	
W	hy	do you think roller coasters are called "Scream Machines"?	