Name			
Date	Period	Score	/ 4

LT: I can identify/describe kinetic and potential energy and the transformation between the two and that energy is conserved in the transformation.

CATEGORY	1	2	3	4
Drawings/Diagrams			Clear, accurate, detailed diagrams are included and make the event easier to understand.	Exceptional
Details / Captions			Diagrams are <u>labeled</u> neatly and accurately.	detail:
/4			Color is used to clarify the event. For example: Potential energy is identified with red arrows. Kinetic energy is identified with blue arrows.	
			A key is used to identify role of colors	
			Captions accurately replicate the event in detail.	
			Steps are outlined sequentially and are adequately detailed.	
			Potential energy is CLEARLY identified/described/defined and several positions of the pendulum are explored.	
			Potential energy is the sored energy an object has due to its position or energy which is stored in chemical bonds	
			 The energy stored in a match is Chemical Potential Energy (CPE) The energy stored in a stretched rubber band or compressed gas is Elastic Potential 	
			Energy (EPE)	
			 The energy stored in the pendulum is Gravitational Potential Energy (GPE) The amount of GPE the pendulum has depends on the height of the ball 	
			GPE is transformed into Kinetic Energy (KE)	
		Kinetic energy is CLEARLY identified/described/defined and examples are given/explained.		
			 Kinetic energy (KE) is the energy a moving object has because of it motion. The pendulum has KE while it is moving 	
			The amount of KE the pendulum has depends on the amount of GPE exists in the system	
			GPE is transformed into KE	
			Energy is conserved within the system	
			 Mechanical energy = potential energy + kinetic energy Friction and air residence cause some of the mechanical energy to change (transform) into 	
			thermal energy (which is also kinetic)	

Total _____