d	me:	Date:	Per:			
Video - The Power of Optics						
	What powered this Rube Goldberg Machine	?				
•	What forms of energy do you see in the video?					
	a. What type(s) of energy is the candle	burning?				
	b. What type(s) of energy is the marble					
	c. Why type(s) of energy is the balloon	expanding?				
١.	What do we call the process of the light doing work to start the candle burning?					
•	What happens to the light intensity as it goe happening?	s through a transformation?	Why do you think that is			
•	What is the purpose of the magnifying glasse	es?				
	At the end of the demonstration the white li light into the different colors. Do the different different colors?					

Energy Transfer Diagrams

Energy cannot be created or destroyed but it can be transferred from one form

to another. Energy transfer diagrams show each type of energy, whether it is stored or not, and the processes that are taking place as that energy is transferred. Complete the table below by identifying the type of energy being input (e.g. light, chemical, heat, kinetic, potential, etc) and the energy output of each of the examples shown.

Models of Energy Transformations							
Input: Type of Energy	Energy Source		Transformation	Output: Type of Energy			
			ICE				