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<i>Z.</i>	

Name:	 	
Period:		

Energy Review

	1. Power Z A. Tells you how good an energy transfer is; ratio of Wout to Win. 2. Kinetic Energy 3. Work 4. Potential Energy 5. Efficiency A 6. Joules C. Units for work or energy. B. How fast energy is transferred or used. 6. Joules C. Energy transferred by a force. E. How fast energy is transferred or used. K. Energy due to motion.	 Nuclear B A. Any Potential or Kinetic energy. Thermal D B. Due to splitting or combining atoms. Radiant E B. Held in molecular bonds. Mechanical A B. Heat energy. Chemical E Electromagnetic radiation (light energy). Electrical F R. Moving electrons. What Kind of Thermal Transfer? Conduction; 2. Convection; 3. Radiation
4p	What kind of Energy: E_p , E_k Work, or None? An object sitting on the edge of a table. A bullet shot up into the air before it gets to the top.	The second of th
÷.	A ball after it hits the ground and stops. Pushing an object up a ramp. After pushing an object up a ramp. What a rock loses as it falls. What it takes to stop or start an object. How much energy an object loses if there is no friction.	Use arrows to show the heat transfers to the heat transfers to the Cold Cold Cold Cold Cold Cold Cold Cold
	True of False: "An object at rest has potential energy". It has to be above the ground for 3 seconds. How much work was done? Now - It clidan't more or it's every didn't ways.	If molecules have kinetic energy than they must be <u>M60</u> ing. Which have more kinetic energy: hot objects or cold objects? Which feels colder: a cold insulator or a cold conductor? A 8 kg cart is rolling 5 m/s. Calculate its kinetic energy. V68 kg - (5 mb) 2 = 100 5
	Which force does the most work? I m Which force does the least work? A (Newe)	A rock is pushed 4 meters by a 10 N force. A) How much work was done? WIF U 10 U · UM = UO J B) If done in 5 seconds, how much power was used? P=\frac{U}{S} = \frac{UOJ}{S} = \frac{S}{S} = \frac
	At A it has a lot of: P2 At D is has a lot of: V2 As it moves from G to D it is losing: P2 Which has more Ep: C or F? Which has more E _k Cor F? How does the E _p of A compare with the E _k of D?	C) If it was pushed on a flat surface, what kind of energy did it gain? A 2 kg rock on a 6 meter ledge has how much potential energy? PE = WGh 2kg 10:nkg? - Gren = 12d)

