

Name:			
Date Started:	Date Completed:	Score:	
	Learning A	ctivity Sheet	
	Mechanic	cal Energy	
A. Write the letter of the corre	ect answer in the space provi	ded.	
Choices for items 1–5:			
A. kinetic energy	C. electrical energy		
B. potential energy	D. mechanical energy		
1. If you increase an	object's velocity, which ener	gy is added to the system?	
2. What do you call the	he sum of kinetic energy and	potential energy?	
3. In a diving pool, w	hen the diver jumps up, he/sl	he loses kinetic energy. Which	n energy will he/she gain?
4. A juggler in a child the ball's kinetic en		a height exchanging left to rig	tht. What form of energy will
5. A group of studen top was transforme		they observed that the potenti	al energy of the water at the
B . An object of mass 200 kg the potential energy and ki		0 m. Fill in the blanks in the f	following table by computing
	D 4 4 1	17. '.	T (1 1 1 1

Height at which the object is located (m)	Potential energy (EP mgh) (J)	Kinetic energy $(E_K = TME - E_p = 12 \text{ mv}^2$ (J)	Total mechanical energy $(TME = E_P + E_K)$ (J)
60			
40			
20			
0			