Quiz 2 PSC1341

Mat	h the	letter with	the correct	definition v	with the	terms he	عاصيب
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2)) Energy 🛮) Kinetic energy 🗈	
	 a) 9.8 m/sec² b) Force times Distance c) the ability to do work d) the inward pull exerted on an object that e) the force that resists relative motion bet f) the energy of motion g) stored energy 	
8)) A stone is dropped from the top of a building building in meters? (Show your work.)	and strikes the ground 5.47 seconds later. How high is the
9)) A man throws a baseball straight up in the ai top? (Show your work.)	r at 19.6 m/s. How many seconds does it take to reach the
10]	0) The SI unit of work is the a) joule	
	b) watt c) calorie	
	d) Newton	
11]	 1) Which of the following pair of physical quant a) work and force b) momentum and force c) work and energy d) force and impulse 	ities have the same units?

12) Steve weighs 80.7 kg. How much kinetic energy does Steve have ru	inning at 4.00 m/s?							
13) An Electronic lift can raise a 424 kg mass a distance of 10.0 m in 6.0 by the lift? (Show all work. Use the factor label method. Write your answer w with the correct units.)								
with the correct units.								
14) Based on the previous question, what was the power of the lift? (Show all work. Use the factor label method. Write your answer with the correct significant figures and								
with the correct units.)								