B Physics Interactive Quiz : Simple Harmonic motion   Name:

#	1	question	Answer	0	<--score
#1	4	kg is the mass of a weight added to a spring that then stretches 20 cm. Find the value for k for this spring		0	
#2	4	If the same mass is then pulled down an extra 20 cm, find the upwards force from the spring in newtons		0	
#3	4	you now let go of the mass, how many seconds will it take until it returns to the same place?		0	
#4	4	using the information above, what is the energy stored when it is stretched the amount in the question above?		0	
#5	4	what will be the velocity of the mass when A is 10 cm below equilibrium?		0	
#6	5	kg is the mass of a pendulum of length 3 meters. If it is raised 30 cm, what is the max PE of the mass?		0	
#7	5	how fast will the mass be traveling at the bottom?		0	
#8	5	How many seconds will it take to make a complete period?		0	
#9	5	If the same experiement were done on the moon where g is 1.8 m/ss, what will the period be?		0	
#10	2.5	hz is the frequency of an oscillator with amplitude of 0.05 m. What is the period of the oscillations?		0	

Extra Credit: *Explain how a pendulum could be used to locate underground oil, unranium or moving lava. Include diagrams with your explanation.*