

**B Physics Interactive Quiz : Energy****Name:**

#	6	question	Answer	0	<--score
# 1	600	grams is the mass of a bullet shot from a gun with a barrel 40 cm long, with $V_f$ of 400 m/s. Find the force on the bullet		0	
# 2	600	Find the final KE for the bullet		0	
# 3	600	Find the ultimate altitude of the bullet if shot upwards		0	
# 4	600	find the speed of the bullet after being shot through a 4 cm door where the $F_f$ was -2000 N		0	
# 5	480	is the vertical height of a $40^\circ$ slope 60 kg Kenny skis on his snowboard. Find his PE at the top of the hill		0	
# 6	480	Find his KE at the bottom of the hill		0	
# 7	480	find his velocity at the bottom of the hill		0	
# 8	30	N/m is the k for a spring that is compressed 30 cm to shoot a ball of mass 180 grams. Find the velocity of the ball		0	
# 9	24	meters is the height of a hill Ben runs up in 7.5 seconds. Find his horsepower if his mass is 75 kg		0	
# 10	108	Newtons is the frictional force overcome at a constant velocity of 4 m/s for someone pushing their car along a road. Find the power dissipated as heat.		0	

**Extra Credit:**