	& Energy Date: : Class: 8
Energy, Work and Power	
17.	Calculate the kinetic energy of the rock in problem #8 if the rock rolls down the hill with a velocity of 8 m/s.
18.	Calculate the kinetic energy of a truck that has a mass of 2900 kg and is moving at 55 m/s.
19.	Find the mass of a car that is traveling at a velocity of 60 m/s North. The car has 5,040,000 J of kinetic energy.
20.	How fast is a ball rolling if it contains 98 J of kinetic energy and has a mass of 4 kg?
WORKSHEET: POTENTIAL ENERGY PROBLEMS	
Fill in the Blank:	
1.	Potential energy is the energy matter has as a result of its or
2.	The more mass an object has the (more / less) potential energy it has.
3.	The potential energy an object has due to its position is called potential energy.
4.	The formula for calculating gravitational potential energy is
	PE =
5.	The value of the g constant (the acceleration of all objects due to gravity) on earth is