Name	e		Class	Date	
KE Variables					
Background Information: Kinetic energy is the energy that moving objects possess. It is sometimes called "the energy of motion."					
Ques energ		he mass and spe	eed of a vehicle affect	its kinetic	
You will design a series of experiments to answer this question using the following materials:					
 Marbles of different masses (to represent vehicles of different mass) Ramp material Textbooks to change the angle of the ramp (this will vary the speed) A plastic cup with a hole cut into it (an "igloo" cup) A meter stick or ruler to measure how far the marble moves the cup 					
_		our experiments ve experiments:	need to be "controlle	ed." The following qu	estions might help
 Which variable will your team change? (This is the independent variable.) Which variables will the team observe and measure? (These are the dependent variables.) Which variables are being held constant? (controlled variables) 					
Keep	•	oles in mind, ma	ke a list of some expe	eriments you might us	se to answer the