Lesson	2: What Determines	the Amount of Kin	etic Energy?
Activity 2.	1		Your Progress:
amount o	n experiment in which you f kinetic energy in an object	ProficientDevelopingReginning	
Use the canned goods as directed in the lab. Failure to do so may them to break open.			may cause
Word Wal	l:		
Experime	nt:		
Kinetic en	ergy:		
	ne independent variable (n	·	this experiment? (able) for this experiment?
What are	the controlled variables (v	ariables that stays the s	ame) for this experiment? (State at least 3
	e for Experiment 1		
use this d	ata table to record the mea	,	
Speed	Starting Thickness (mm.)	Ending Thickness (mm.)	Amount of "Squish" (KE) (mm)
Drop			
Throw			

Name ______ Period _____ Date _____

What is the independent variable (manipulated variable) for this experiment? What is the dependent variable (measured/ responding variable) for this experiment? What are the controlled variables (variables that stays the same) for this experiment? (State at least 3) Data Table for Experiment 2 Use this data table to record the measurements from your experiment: Mass Starting Thickness Ending Thickness Amount of "Squish" (KE) (mm.) (mm) Light

Analysis		
1. The	and	an object, the MORE kinetic energy it has.
2. Which was easie	er to keep constant- mass or	speed? Why?
	racy of the experiment chan instead of just one place?	nge in you measure the change in thickness in multiple

Heavy