Name:			
Date:			
Period:			
	Lab - Effect of Ma	ss on a Falling Object	
Question: How does	mass affect the velocity of fa	alling objects?	
Hypothesis: If			
		then	
	because		

Experiment:

- 1. Gather Materials: Triple Beam Balance, 4 balls, 4 lengths of track, stopwatch,
- 2. Mass and record each type of ball
- 3. Lift one end of track to a height of ½ meter
- 4. Set a start & stop line ½ meter apart
- 5. Set ball at top of ramp, release
- 6. Start timer when ball reaches start line, stop timer at stop line
- 7. Record time
- 8. Repeat steps 5 to 7 3 times
- 9. Repeat procedure for each type of ball

Data:

Mass of	Time for each roll (seconds)		Average	Distance	Speed of rolling ball	
ball	Trial 1	Trial 2	Trial 3	time of roll	rolled	(m/s)
(grams)				(seconds)	(meters)	
	ball	ball Trial 1	ball Trial 1 Trial 2	ball Trial 1 Trial 2 Trial 3	ball Trial 1 Trial 2 Trial 3 time of roll	ball Trial 1 Trial 2 Trial 3 time of roll rolled