

Laboratory Organizer

Name: _____

Date: _____

Title of Lab: *Momentum*

Briefly describe the purpose of the lab:

*I will determine
how velocity
affects momentum.*

My Hypothesis:

Materials Needed:

*meter sticks,
stopwatch,
soft ball,
tennis ball*

Safety Precautions:

~ list 3 ~

The independent variable is:

The dependent variable is:

Describe the control group:

same mass

Describe the experimental group:

X

How will the results be measured?

Velocity (m/s) momentum v (m)

What is the ONE factor being tested?

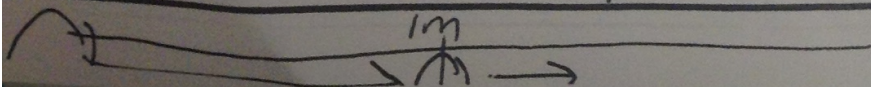
momentum!

What factors must be kept constant?

mass, path.

List the procedural steps of the experiment:

- 1) Set up a 2m long path with metersticks.
- 2) Place the tennis ball in the middle.
- 3) Roll the soft ball from the start until it collides with the tennis ball. Record the time, & distance the tennis ball moves. Repeat at different speeds.



Use this space to record your data or to describe your observations:

Softball

Distance (m)	Time (s)	Velocity (m/s)
1		
1		
1		
1		
1		

you change!
 $v = d/t$

Tennis Ball
 Distance = Momentum
 (m)

x (A)

y (B)

My Conclusion:

Create a graph
 in excel ~
 copy it to
 a word doc &
 answer these

Was your hypothesis proven or disproven? Explain.

2 questions

Upload it!