N	a	m	ne	
1 4	ч		ī	•

Partner:

Physics 12 M. Lam

Inelastic Collision Lab

Block:

Introduction

In a completely inelastic collision, the colliding objects stick together. The purpose of this lab is to determine whether momentum and kinetic energy are conserved in a completely inelastic collision.

Equipment

Below is a list of available equipment. Circle all equipment used.

Hot Wheels track tape electronic balance

Hot Wheels cars (2) meter stick video camera

BeeSpi photogate timers (2) stopwatch

Apparatus

Draw and label a diagram of your apparatus.

© 2024 Mark Lam mrlamphysics.com

Experimental MethodDescribe how your data is collected. Include any steps necessary to reduce experimental uncertainty.

© 2024 Mark Lam mrlamphysics.com

Data

Record all measurements. If appropriate, organize your data in a table.

© 2024 Mark Lam mrlamphysics.com

		ner momentum and kinetic energy are conserved in a or each type of calculation.
Identify and discus significant source		error. Put a star next to what you believe to be the mos
Ü		
Conclusion		
Momentum is		_ in a completely inelastic collision.
	conserved/not conserved	
Kinetic energy is		in a completely inelastic collision.
	conserved/not conserved	in a completely inelastic collision.

© 2024 Mark Lam mrlamphysics.com