



NAME:

PERIOD:

## Conservation of Momentum Lab 2 ( explosion

Purpose:

Description:

### SPASH PHYSICS

### Sum of Momentums Before Collision

	p1 g*cm/s	p2 g*cm/s	p1+p2 g*cm/s
trial 1	0	0	0
trial 2	0	0	0
trial 3	0	0	0

### Sum of Momentums After Collision

	mass1 g	flag cm	time1 s	vel' 1 cm/s	p' 1 g*cm/s	mass2 g	flag cm	time2 s
trial 1	1739	5.1	0.2969			501	5.1	0.0884
trial 2	1490	5.1	0.252			750	5.1	0.1339
trial 3	1243	5.1	0.1946			997	5.1	0.1733
		Avg. p	% error		Calculations			
trial 1								
trial 2								
trial 3								

Conclusion:

**collision)**

**ACTUAL**

vel' 2      p' 2      p' 1+p' 2  
cm/s      g\*cm/s      g\*cm/s

# Conservation of Momentum Lab 3 ( elastic coll SPASH PHYSICS

NAME:

PERIOD:

Purpose:

Description:

## Sum of Momentums Before Collision

	mass1 kg	flag m	time1 s	vel 1 m/s	p 1 kg*m/s	mass2 kg	flag m	time2 s
trial 1								
trial 2								
trial 3								

## Sum of Momentums After Collision

	mass1 kg	flag m	time1 s	vel' 1 m/s	p' 1 kg*m/s	mass2 kg	flag m	time2 s
trial 1								
trial 2								
trial 3								
	Avg. p		% error					
trial 1								
trial 2								
trial 3								

## Conclusion:

**ision)**

**Actual**

vel 2      p 2      p 1+p 2      before & after  
m/s      kg\*m/s      kg\*m/s      avg

**ACTUAL**

**Actual**

vel' 2      p' 2      p' 1+p' 2      before & after  
m/s      kg\*m/s      kg\*m/s      avg