

Name	

Force & Motion

Moving Bodies

Materials:

Small box	Marble
Small cart	Lego figure

Procedure:



- 1. Put the marble in the box
- 2. Slide the box across the table.
- 3. Stop the box suddenly.
- 4. Observe and record the motion of the marble.



- 5. Balance the Lego figure in the middle of the cart.
- 6. Push the cart forward suddenly. Observe the movement of the cart and the Lego figure.
- 7. Record your observations.
- 8. Balance the Lego figure in the middle of the cart.
- 9. Roll the cart across the table smoothly, so that the figure does not fall.
- 10. Crash the cart into your have or notebook. Observe the movement of the cart and the Lego figure.
- 11. Record your observations.

Data:

Observations of Moving Bo	odies
Marble in the box	
Lego figure on cart	
Data Analysis: Based on your observations, describe what must happen stop moving. Be very specific.	to make an object move or

		1. Compare the results of this investigation with what you feel when you are riding									riding		
		in a car that starts and stops suddenly.											
	2.	Based	on your s	tatem	ents abov	ve; wh	y do yo	u thii	nk wea	ring se	eatb	elts is a la	aw?
e 	yo	ur te	xtbook	to	define 	and	give	an	exam	ple (o f	inerti	a: