

THE CONSERVATION OF MOMENTUM

NAMR: _____ SECTION: _____

Click the link, https://www.gigaphysics.com/momentum_lab.html to go to **Conservation of Momentum Virtual Lab**.

When the virtual lab opens, click **New Experiment** to ensure that you have reset your cart data before you do the experiment.

Follow the procedure discussed in the Webquest week 4 lesson 4.

PART I: INELASTIC COLLISION DATA TABLE

Table 1

Mass of purple cart (kg)	Length of purple cart (m)	Mass of green cart (kg)	Length of purple cart (m)

Table 2

	Elapsed time (s)	Length (m)	Velocity (m/s)
Purple cart before collision			
Green cart before collision			
Carts stuck together after collision			

Table 3

	Mass (kg)	Velocity (from table 2)	Momentum kg.m/s
Purple cart before collision			
Green cart before collision			
Carts stuck together after collision			

Table 4

	Purple cart's momentum	Green cart's momentum	Total momentum
Before Collision			
After Collision			

note: screenshot your data table, do not click FINISH, no score will be generated. . .