Newton’s Laws Web Activities Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Go to Mrs. Jacobs’s website: [www.sizzlingscience.weebly.com](http://www.sizzlingscience.weebly.com) & answer these:

1. How many page titles are listed at the top of the home page? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Name 2 ways to contact Mrs. Jacobs
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. If you forget an assignment, explain how you can retrieve the assignment *from this website.*
6. What is the name of the Facebook page where you can find current information about CLMS & your classes’s assignments?
7. If you forget a worksheet, where can you retrieve it and print it out *from this website*?

Next, go to phschool.com and put in the webcode: cgp-3024. Click on the orange “Start” button. When the activity starts, **always read the top right paragraph of information first** before doing the rest. Be sure do several trials with the cars and note the mathematics below the cars. Also, try several runs where the cars are locked after impact.

1. What is the formula for momentum?
2. If car A has a mass of 3 kg and a velocity of 4 m/s and hits car B with a mass of 4 kg, what does the velocity of car B have to be after impact?
3. The Law of Conservation of Momentum states what?
4. If car A has a mass of 6 kg and a velocity of 6 m/s and hits car B with a mass of 6 kg and locks on to it, what does the velocity of the two cars have to be after impact?
5. If you have time, try to access a video of “Newton’s Cradle” and apply what you’ve just learned to it.