

Dear Sir Isaac Newton,

I'm very appreciative of your findings for motion. It has affected my life a lot. Because you have created the laws of motion we named it "Newton's 3 laws of motion". Because of you my generation knows why a rocket goes up when the jets start. Or why a hockey puck will slide on ice and will eventually stop because of friction or stopped because it hit the wall or a hockey stick. Or why a car will go faster than a truck when you push them with the same force.

We call your first law the law of inertia. As you probably know inertia is the tendency of an object to resist a change in motion. Which is the same thing as your first law. That law applies to a lot right now. Like when a book is on a table or flat surface it won't move unless something moves it or an unbalanced force. Or like when you are skateboarding and you hit a rock or a curb you will keep going because there is nothing stopping you.

We don't call your second law anything special though. We just call it "Newton's Second law of motion". We also use that a lot right now. Like when you use the same force to push a truck and a car the car will go faster. Or like when you are pushing 2 shopping carts. One is full and one is empty the one is empty. The one that is empty is easier to push than the one that is full because the one that is empty is the one with less mass.

We don't call your 3rd law anything special either. We just call it Newton's third law of Motion. Or Newton's 3rd law. As you can guess we use this law a lot right now too. Like when a rocket blasts off into space. Or when the air rushes out of a balloon and the balloon goes one way and then the air goes another.

So as you can see, we use your 3 Laws of Motion a whole bunch. With carts at a supermarket. With a hockey puck in hockey. With a balloon when the air is let out of it. Or when you crash on a skateboard. What I'm trying to say is thank you for your amazing work!

Sincerely,  
Sarah Snodgrass