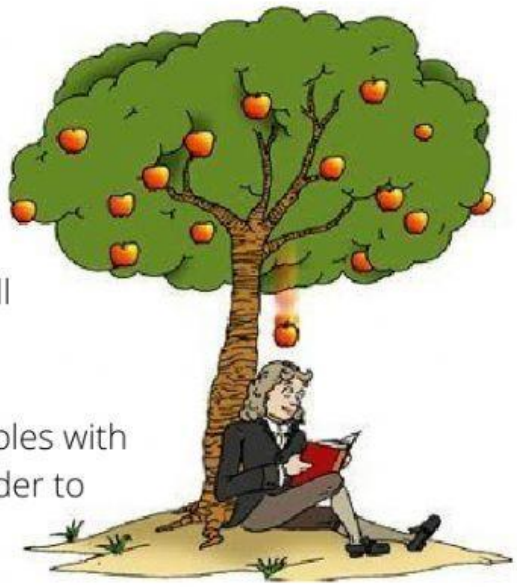
Newton's Laws of Motion



For each scenario, determine if this is an example of Newton's 1st, 2nd, or 3rd law of motion. Simply put the numbers 1, 2 or 3 in the textbox.

1.A coin on top of a notecard on top of a glass will stay in place when the notecard is flicked.

2. A farmer could not move his cart full of vegetables with only one horse, so he added another horse in order to move the cart.

3. A truck with less mass will have a bigger acceleration than a truck with more mass.

4. When walking on a sandy beach, while we exert force forward with each step, we push the sand backward.

5. When a basketball player shoots a jump shot, the ball follows an arcing path because of gravity and friction.

6. The harder you pedal your bicycle, the faster your bicycle will go.

7. A book resting on the table exerts a downward force on the table while the table exerts an upward force on the book.

8. The large snowball was much harder to move than the smaller one.

9. A ball that rolls on a flat surface will continue to roll until friction brings the ball to a stop.

10. When a car slams on brakes the passenger's body is thrown forward until stopped by the seat belt.