Identifying Newton’s Laws Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Identify which of Newton’s Laws is demonstrated in each of the following examples and explain why the example demonstrates that law.

1. FIRST SECOND THIRD : A magician pulls a table cloth out from under dishes and glasses on a table without disturbing them.
   1. Explain:
2. FIRST SECOND THIRD : A person’s body is thrown outward as a car around the curve on a highway.
   1. Explain:
3. FIRST SECOND THIRD : Rockets are launched into space using jet propulsion where exhaust accelerates out from the rocket and the rocket accelerates in the opposite direction.
   1. Explain:
4. FIRST SECOND THIRD : A picture is hanging on the wall and does not move.
   1. Explain:
5. FIRST SECOND THIRD : A person not wearing a seatbelt flies forward when someone slams on the breaks.
   1. Explain:
6. FIRST SECOND THIRD : Pushing a child on a swing is easier than pushing an adult on the same swing.
   1. Explain:
7. FIRST SECOND THIRD : A soccer ball accelerates more than a bowling ball when thrown with the same force.
   1. Explain:
8. FIRST SECOND THIRD : A soccer player kicks a soccerball with their foot and their toes are stinging.
   1. Explain:
9. FIRST SECOND THIRD : A student leaves a pencil on a desk and it stays in the same spot until another student picks it up.
   1. Explain:
10. FIRST SECOND THIRD : Two students are in a baseball game. The first student hits the ball very hard and it has a greater acceleration than the second student who bunts the ball very lightly.
    1. Explain: