

1

FILL IN THE BLANKS:

NEWTON'S FIRST LAW OF MOTION: "An object at rest will stay at _____ and an object in motion will stay in _____ at the same speed and in the same direction unless acted on by an unbalanced _____."

2

FILL IN THE BLANKS:

NEWTON'S SECOND LAW OF MOTION
"The acceleration of an object depends on the _____ exerted on it and its _____."

3

FILL IN THE BLANKS:

NEWTON'S THIRD LAW OF MOTION
"For every action there is an _____ and _____ reaction"

4

WHICH LAW?

When you are standing up in a train and the train suddenly stops, your body continues to go forward.



5

WHICH LAW?

As the fuel in a rocket ignites, the force of the gas expansion and explosion pushes out the back of the rocket and pushes the rocket forward.



6

WHICH LAW?

When Timmy and his grandpa are throwing rocks into the pond, the rocks that Timmy's grandpa throws go farther and faster.



7

WHICH LAW?

A frog leaping upward off his lily pad is pulled downward by gravity and lands on another lily pad instead of continuing on in a straight line.



8

WHICH LAW?

After you start up your car, as you give it more gas, the car goes faster.



9

WHICH LAW?

A pitched baseball goes faster than one that is gently thrown.



10

WHICH LAW?

A swimmer pushes water back with her arms, but her body moves forward.



11

WHICH LAW?

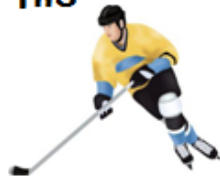
A little boy who has been pulling a sled behind him in the snow is crying because when he stopped to tie his hat on, the sled kept moving and hit him in the back of his legs



12

WHICH LAW?

As hockey player skates, he pushes harder with his leg muscles, and begins to move faster.



13

WHICH LAW?

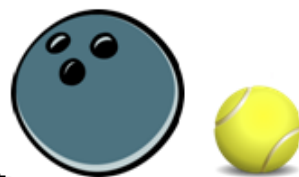
When you paddle a kayak, the kayak goes forward.



14

WHICH LAW?

It takes more force to throw a bowling ball than a tennis ball.



15

WHICH LAW?

A soccer ball will not move unless it is kicked.



16

WHICH LAW?

A full grocery cart needs more force to push it than an empty one.



17

WHICH LAW?

If you use the same force to push a truck and push a car, the car will have more acceleration than the truck, because the car has less mass.



18

WHICH LAW?

When air rushes out of a balloon, the the balloon flies up.



19

WHICH LAW?

When you dive off of a diving board, you push down on the springboard. The board springs back and forces you into the air.



20

WHICH LAW?

If you slide a hockey puck on ice, eventually it will stop if it hits a player's stick



21

WHICH LAW?

A bowling ball hits the pins sending the pins flying for a **STRIKE!**

22

WHICH LAW?

When a plane is taking off you feel pushed back into your seat.

23

WHICH LAW?

As Abby skips, her feet push down on the floor & the floor pushes upon her.



24

WHICH LAW?

A fireman turns on his hose and is knocked backwards by the force of the water.

