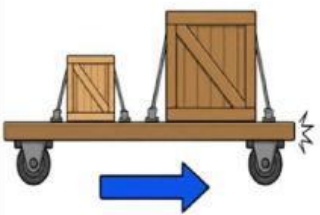
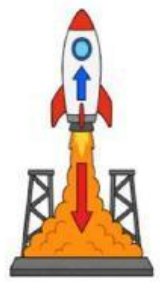
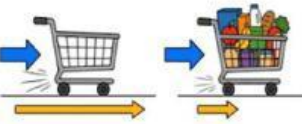
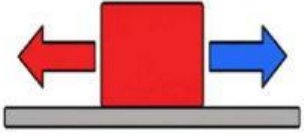
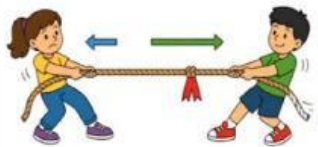


Newton's Laws of Motion



Directions: Use the word bank to complete the blanks in the chart below.

Word Bank: acceleration • action-reaction pair • balanced • inertia • mass • net force • opposite • unbalanced

1. The soccer ball is resting until someone pushes it. This is called _____ 	2. Two boxes have the same force acting on both. The carts have different _____ 	3. The rocket moves up because gasses move _____ 	4. The puck continues moving in the same direction because no _____ force. 
5. Two carts are pushed with the same force. The cart with less mass will have greater _____. 	6. The paddle pushes the water backward, and the water pushes the canoe forward. This is an example of an _____ 	7. Equal forces acting in opposite directions are called _____ force 	8. The unbalanced forces make the _____ not equal to zero. 

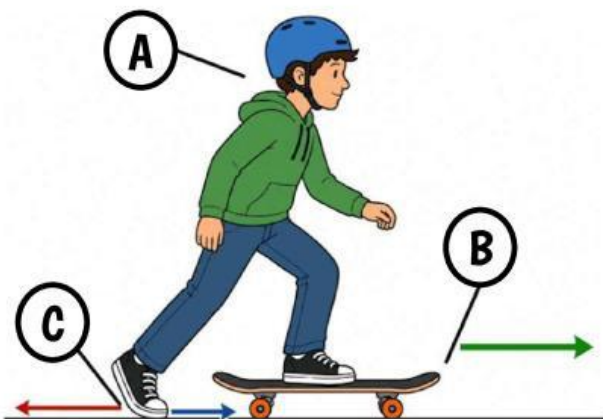
Directions: Sort each of the examples into which law it best demonstrates.

- | | |
|--|--|
| A. An object keeps moving unless an unbalanced force acts. | E. An object at rest remains at rest. |
| B. A larger force causes greater acceleration. | F. Forces act on two different objects. |
| C. Forces act in opposite directions. | G. Motion changes when a net force acts. |
| D. A heavier object accelerates less with the same force. | H. An object resists a change in motion |

Newton's 1st Law	Newton's 2nd Law	Newton's 3rd Law
9.	10.	11.

Find all 3 laws in one system

Directions: Find all three laws in one system.



12. Location A: The skateboarders body resists a change in motion.

Law shown: Newton's _____ Law

12.Location B: The skateboard accelerates forward because the net force is forward.

Law shown: Newton's _____ Law

12.Location C: The shoe pushes backward on the ground, and the ground pushes forward on the shoe

Law shown: Newton's _____ Law

15. Location A: Warren continues moving until a force changes his motion.

Law shown: Newton's _____ Law

15.Location B: Warren pushes down on the trampoline while the trampoline pushes up.

Law shown: Newton's _____ Law

15.Location C: The trampolines net force changes Warren's motion. Law shown: Newton's _____ Law

