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Newton's Law Vocab

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| **Across**  **2.** forces that are equal in size but opposite in direction  **4.** forces that are not equal in size but opposite in direction  **5.** resistance in the air  **8.** Unit for force  **10.** formula for momentum  **11.** the combining of forces when two or more objects act on another  **12.** A net force acting on an object causes the object to accelerate in the direction of the net force.  **13.** Push or pull an object exerts on another  **14.** the amount of matter in an object  **15.** the attraction two objects have on one another  **17.** the force of gravity on an object  **18.** resistance to a motion when two objects are in contact with another | **Down**  **1.** momentum is never created or destroyed in a collision, it is only transferred  **3.** every action has an equal and opposite reaction  **6.** an object will move at a constant velocity until a net force acts upon it  **7.** mass in motion  **9.** formula to find the force of an object  **16.** the tendency of an object to resist change |