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Newton's Laws

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| **Across**  **4.** The force of air pushing against a moving object  **8.** When force is not balanced on either side of an object  **10.** Force is equivalent to mass multiplied by acceleration.  **12.** The overall force that is acted upon an object  **13.** Mass multiplied by Velocity  **15.** Laws that were created by Sir Isaac Newton explaining motion  **18.** The force that brings two objects together  **19.** The force another object exerts on another  **20.** For every action, there is an equal and opposite reaction | **Down**  **1.** Something that acts upon an object pushing it or pulling it  **2.** Energy that an object has due to its motion  **3.** The act of movement  **5.** Stored energy that results from the position or shape on an object  **6.** Force that is balanced in amount on both sides of an object  **7.** Final velocity - Initial velocity over time  **9.** Force exerted by the first object onto the second object  **11.**  An object at rest stays at rest and an object in motion stays in motion unless another force is acted upon it.  **14.** Amount of matter with no definite shape  **16.** The force of gravity on an object  **17.** distance over time |