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Newton's Law Crossword Puzzle

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| **Across****7.** The state in which one object's distance from another is changing **10.** The overall force on an object when all individual forces acting on it are added together **11.** Speed in a given direction **13.** The tendency of an object to resist change in its motion**14.** A push or pull**15.** The amount of matter in object  | **Down****1.** Slowing down**2.** Energy that an object has due to its motion **3.** Equal Forces acting on an object In opposite directions **4.** Force that produces a nonzero net force **5.** For every action there is an equal opposite reaction **6.** The force that pulls objects toward each other **8.** Acceleration of an object depends upon its mass & the force acting upon it**9.** A change of velocity **12.** The distances an object travels per unit of time |