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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 |