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Force, Motion, and Newton's Laws Crossword Puzzle

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| **Across****3.** The rate at which velocity changes over time.**6.** An object at rest stays at rest, and an object that is in motion stays in motion.**9.** A push or pull.**11.** The speed of an object is rarely constant.**13.** A force of attraction between objects due to their mass.**16.** A standard unit of measurement.**17.** The speed isn't increasing nor decreasing.**18.** Between bodies separated by distance. **19.** A unit to express force.**20.** The acceleration of an object depends on the mass of the object and the amount of force applied. | **Down****1.** An increase in velocity.**2.** A decrease velocity.**4.** A metric unit of measurement to measure LONG distances.**5.** A force exerted during contact between objects.**7.** The speed of an object in a particular direction. **8.** The tendency of all objects to resist a change in motion, so an object will not move until a force makes it move.**10.** Whenever one object exerts a force on a second object, the second object exerts an equal and opposite force on the first object.**12.** A change in position over time.**14.** A quantity that has both size and direction.**15.** The weight of an object, or how much matter is in the object. |