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Force and Motion Review

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| **Across**  **2.** the rate of change of velocity over time  **5.** a force that is greater in a specific direction than the opposing force  **10.** the amount of matter in an object  **13.** a pulling force  **14.** Newton's 3rd law of motion  **15.** a measure of how difficult it is to stop something  **16.** Speed in a given direction  **18.** A push or a pull  **19.** distance divided by time  **20.** a force resisting the relative motion of surfaces | **Down**  **1.** Newton's second law of motion  **3.** the force a planet exerts on an object  **4.** Isaac Newton created this type of instrument to see into outer space  **6.** difference between final velocity and initial velocity; or direction of distance between 2 points  **7.** A force that is equal in all directions  **8.** Newton's first law of motion  **9.** the tendency of an object to resist a change in motion  **11.** the overall force on an object  **12.** Isaac newton invented this study of mathematics  **17.** the unit of measurement of force |