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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 |