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Physics Vocabulary

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| **Across****2.** the support force exerted upon an object that is in contact with another stable object**9.** the force exerted on a body by gravity.**12.** the friction that exists between a stationary object and the surface on which it's resting.**13.** the region of space surrounding a body in which another body experiences a force of gravitational attraction.**14.** A push or pull against an object causing it to move**16.** the resistance of any physical object to any change in its state of motion**17.** the highest velocity attainable by an object as it falls through a fluid**18.** pulling force exerted by each end of a string**20.** a force that acts between moving surfaces. An object that is being moved over **21.** When one body exerts a force on a second body, the second body simultaneously exerts a force equal in magnitude and opposite in direction on the first body. | **Down****1.** used to show the relative magnitude and direction of all forces acting upon an object in a given situation**3.** a force acting opposite to the relative motion of any object moving with respect to a surrounding fluid.**4.** in every interaction, there is a pair of forces acting on the two interacting objects.**5.** an object either remains at rest or continues to move at a constant velocity, unless acted upon by a net force.**6.** the force, which keeps any object motionless and acts on virtually every object in the world that is not moving**7.** a property of objects that corresponds to how heavy an object is.**8.** Absence of weight**10.** Acceleration is produced when a force acts on a mass. **11.** a state in which opposing forces or influences are balanced.**15.** Sum of all forces acting on an object**19.** a portion of the physical universe chosen for analysis. |