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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. |