Force and Motion Vocabulary

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| **Across****3.** "Law of Inertia"**5.** \_\_\_\_\_ is a change in velocity**8.** Unbalanced forces that are not opposite and equal**11.** Maximum velocity reached by a falling object**13.** Velocity is added by \_\_\_\_ addition (like displacement) **14.** Tendency of an object to resist any change in it's motion**17.** The product of an object's mass amd velocity**18.** When one object exerts a force on a 2nd object, the 2md exerts an equal but opposite force**19.** The acceleration of an object is directly proportional to the net force and inversely proportional to its mass | **Down****1.** The force of gravity on an object**2.** Straight line distance (and direction) between the start and end**4.** When an object is faling under only the influence of gravity**6.** A \_\_\_\_\_ \_\_\_ graph can be used to determine speed**7.** The motion of a falling object after it is given an initial forward velocity**9.** Force is measured in \_\_\_**10.** Ratio of distance to time**12.** Force of attraction between any two objects in the universe**15.** A force that resists the motion of objects as they come in contact**16.** A push or pull that one body exerts on another**20.** The length of a path between two points |