

Download Newtons Laws Study Guide Answers

Newton's First Law of Motion Study Guide Newton's First Law of Motion (Law of Inertia) An object at rest will remain at rest unless acted on by an unbalanced force. An object in motion continues to move with the same velocity unless acted on by an unbalanced force. 1. In your own words, paraphrase the first part of Newton's First Law of Motion. Force and Motion Study Guide-ANSWER KEY Name: Period: Date: Define the following terms: ... Isaac Newton and he wrote 3 laws. 29.) A change in motion can be a change in an object's speed, ... Explain your answer. (E-80) Newton's first law states: An object at rest will stay at rest unless acted on by an unbalanced force. Newton's 2nd Law. The acceleration of an object as produced by a net force is directly proportional to the magnitude of the net force, in the same direction as the net force, and inversely proportional to the mass of the object. Newton's 3rd Law. For every action, there is an equal and opposite reaction. From Newton's 1st Law, I know an unbalanced force is acting when there is a change in motion, so an example of an unbalanced force is a moving car coming to a stop. 18.