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Physical Science, Chapter 12. Force and Motion, Quiz Quiz • Physics • 9th Grade - University • MediumMS-PS2-4, MS-PS2-2, MS-ESS1-2 Physical Science Chapter 12Quiz • Science • 10th Grade • EasyMS-PS2-2, HS-PS2-2, MS-PS2-1Matthew Koch1. MULTIPLE CHOICE QUESTIONWhen an object resists change, like a body in a turning car, it is called \_\_\_\_\_2. MULTIPLE CHOICE QUESTIONFor every action, there's an equal and opposite reaction. \*Action-Reaction\*3. MULTIPLE CHOICE QUESTIONA force that results from two objects rubbing past each other.4. MULTIPLE CHOICE QUESTIONThe force that pulls objects towards Earth. Tags 5. MULTIPLE CHOICE QUESTIONTags 6. MULTIPLE CHOICE QUESTION What is the unit called that measures force?7. MULTIPLE CHOICE QUESTIONThe scientist who is most famous for developing the Laws of Motion is \_\_\_\_\_.8. MULTIPLE CHOICE QUESTIONAn object will accelerate in the direction of the force applied to it.9. MULTIPLE CHOICE QUESTION10. MULTIPLE CHOICE QUESTIONProduct of mass of body and acceleration is called Feel free to use or edit a copy includes Teacher and Student dashboardsTag the questions with any skills you have. Your dashboard will track each student's mastery of each skill.edit the questionsave a copy for laterstart a class gameautomatically assign follow-up activities based on students' scoresassign as homeworkshare a link with colleaguesprint as a bubble sheetImprove student outcomes for free!The law that states that every object maintains constant velocity unless acted on by an unbalanced force isNewton's second law of motionNewton's third law of motionNewton's first law of motionthe law of conservation of momentumEdit a copyto suit your classQ1The law that states that every object maintains constant velocity unless acted on by an unbalanced force isNewton's second law of motionNewton's third law of motionthe law of conservation of momentumQ2The law that states that every action force there is an equal and opposite reaction force isNewton's first law of motionthe law of conservation of momentumNewton's third law of motionQ3The law that states that the unbalanced force acting on an object equals the object's mass times its acceleration isNewton's third law of motionNewton's second law of motionthe law of conservation of momentumNewton's first law of motionQ4Which of the following equations is correct?Q5What is the unbalanced force that slows down a ball rolling across the floor?Q6If two objects with different masses and traveling with different velocities collide, what law allows you to predict the motion of the objects after the collision?the law of conservation of momentumthe law of universal gravitationQ7Which object has the greatest inertia?Q8A seat belts helps you when your car stops suddenly by providing a(n)unbalanced backward forceQ9What unbalanced force is needed to give a 976 kg vehicle an acceleration of 2.50 m/s<sup>2</sup>?Q10If an equal force is applied to two cars of equal mass, Car A and Car B, Car A will have \_\_\_\_\_ acceleration as (than ) Car B.Q11Which of the following objects exerts a gravitational force?Q12When an object is in free fall, the only force acting on it isQ13orbital motion is a combination offorward motion and free fallweight and vertical velocityQ14Astronauts "float" when inside an orbiting spaceship because they areQ15The force exerted on the racket by a hit tennis ball is theEdit a copyto suit your class Below you will find Important Course Documents and copies of notes, assignments, and labs for each chapter in the order that we cover them. 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