Review and Reinforce

Newton's Laws of Motion

Understanding Main Ideas

Answer the following questions in the spaces provided. Use a separate sheet of paper if you need more room.

- Newton's second law of motion describes the relationship among force, mass, and acceleration. Write the equation.
- How does the diagram at the right illustrate Newton's third law of motion?



If the statement is true, write true, If the statement is false, change the underlined word or words to make the statement true.

- ______ If you increase the force on an object, its acceleration increases.
- 4. _______ If you increase the mass of an object, its acceleration decreases.
- ______ To accelerate a 3 kg skateboard at 9 m/s², a force of 3 newtons is needed.
- The amount of inertia an object has depends on its speed.

Building Vocabulary

Write a definition for the term on the lines below.

7. inertia

Place the outside corner, the corner away from the dotted line, in the corner of your copy machine to copy onto letter-size paper

Answers Key Force And Motion Newton

Edward P. Ortleb, Richard Cadice

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Forces and Motion Casey Rand, 2016-08 A discussion of the physics of forces and motion with illustrations charts graphs and a timeline covering terms and concepts such as friction momentum and Newton's laws of motion Discovering Science Through Inquiry: Forces and Motion Kit Kelli Allen, 2009-11-10 The Discovering Science through Inquiry series provides teachers and students of grades 3 8 with direction for hands on science exploration around particular science topics and focuses The series follows the 5E model engage explore explain elaborate evaluate The Forces and Motion kit provides a complete inquiry model to explore the laws of motion through supported investigation Watch as students design a safe landing parachute to observe how the forces of deceleration work on parachutes Forces and Motion kit includes 16 Inquiry Cards in print and digital formats Teacher's Guide Inquiry Handbook Each kit includes a single copy additional copies can be ordered Digital resources include PDFs of activities and additional teacher resources including images and assessment tools leveled background pages for students and video clips to support both students and teachers Mechanics I for IEE Advanced, 3E (Free Sample) B. M. Sharma, 2022-05-19 Mechanics I for JEE Advanced a Cengage Exam Crack Series product is designed to help aspiring engineers focus on the subject of physics from two standpoints To develop their caliber aptitude and attitude for the engineering field and profession To strengthen their grasp and understanding of the concepts of the subjects of study and their applicability at the grassroots level Each book in this series approaches the subject in a very conceptual and coherent manner While its illustrative solved examples facilitate easy mastering of the concepts and their applications an array of solved problems exposes the students to a variety of questions that they can expect in the examination The coverage and features of this series of books make it highly useful for all those preparing for IEE Main and Advanced and aspiring to become engineers Homework Helpers: Physics Greg Curran, 2025-09-12 Homework Helpers Physics is the latest book in the popular series that has been designed to help students master the material and tackle the tests It will help any student unravel the formulas that describe the world around him or her Each lesson is written in clear easy to understand language and supported with review questions Answers and detailed explanations are found at the end of each chapter Homework Helpers Physics covers all of the topics included in a typical one year physics curriculum including Straight line kinematics free fall and projectile motion Forces friction and motion on an incline Electrostatics electricity and magnetism Waves light and optics Nuclear reactions The Homework Helpers Series is an excellent review for any standardized Physics test and is invaluable in providing support and guidance throughout a year s course of study

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