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Lawrence Krauss, einer der bekanntesten Astrophysiker der Gegenwart, erzählt die Geschichte dieses größten geistigen Abenteuers der Menschheit: Schritt für Schritt zu entschlüsseln, wie das Universum entstanden ist, woraus es besteht, wie es funktioniert und welche Rolle wir darin spielen, kurz, die Entdeckung der verborgenen Welt hinter der wahrnehmbaren Realität im Großen wie im Kleinen. Packend und anschaulich schildert er die Entwicklung der wissenschaftlichen Erkenntnisse bis hin zu dem faszinierenden Bild, das die Physik unserer Zeit von den rätselhaften Strukturen und Kräften des Universums zeichnet. Die besten Erklärungen des Kult-Professors. Physik verstehen und dabei auch noch Spaß haben? Unmöglich? Generationen begeisterter Zuhörer beweisen das Gegenteil. Mit Wissenschaftsstar Walter Lewin wird das, was jeder über Physik wissen sollte, zum rasanten Abenteuer. Wildly entertaining! Über 30 Jahre lang hält Walter Lewin am MIT eine Einführungsvorlesung für Physik, die unter Studenten Kultstatus hat. Hinter jeder Stunde Unterricht stecken 40 Stunden Vorbereitung. Sein Publikum soll Spaß haben an Fragen, die es sich ohne Physik nie gestellt hätte. Es soll die Schönheit der Naturgesetze entdecken - nicht einfach Formeln von der Tafel abschreiben. Vor einer Abrisssbirne begibt sich der Kultprofessor in Lebensgefahr, und keiner vergisst jemals die Umwandlung von Lage- in Bewegungsenergie. Aus Liebe zur Physik wird bei Walter Lewin Begeisterung, und die ist hochansteckend! Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. 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Practice Sound MCQ PDF with answers to solve MCQ test questions: Sound and sound waves, sound wave and speed, characteristics of sound, echo of sound, audible frequency range, audible range of human ear, importance of acoustics, longitudinal waves, noise pollution, reflection, and ultrasound. Aimed at young students, this comprehensive book includes an 'A-Z of Methodology' reference section. The levels 1-4 contain around 80 hours of class work depending on the various options used. The Starter level provides around 40-60 hours of class work. Dieser Buchtitel ist Teil des Digitalisierungsprojekts Springer Book Archives mit Publikationen, die seit den Anfängen des Verlags von 1842 erschienen sind. Der Verlag stellt mit diesem Archiv Quellen für die historische wie auch die disziplingeschichtliche Forschung zur Verfügung, die jeweils im historischen Kontext betrachtet werden müssen. Dieser Titel erschien in der Zeit vor 1945 und wird daher in seiner zeittypischen politisch-ideologischen Ausrichtung vom Verlag nicht beworben. Der tödliche Sprung vom Tier zum Menschen Lebensbedrohende Infektionskrankheiten wie AIDS, Ebola, Virusgrippe, SARS und aktuell Covid-19 können sich dank der Globalisierung schnell über große Räume verbreiten und Epidemien oder gar Pandemien auslösen. Ihnen ist eines gemeinsam: Die Erreger sprangen vom Tier auf den Menschen über – der sogenannte Spillover. In einem ebenso spannend erzählten wie beunruhigenden Buch schildert der preisgekrönte Wissenschaftsautor David Quammen wie und wo bevorzugt Viren, Bakterien und andere Erreger auf den Menschen übertragen werden. Er begleitet Forscher bei der Suche nach dem Ursprung der Seuchen unter anderem zu Gorillas in den Kongo, beobachtet sie bei der Arbeit mit Fledermäusen in China und Affen in Bangladesch und erklärt, warum die Gefahr des Spillover gestiegen ist. Ein Wissenschaftsthiller über die steigende Gefahr von Pandemien in der globalisierten Welt. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology. Endlich liegt die anschauliche und fundierte Einführung zur Modernen Physik von Paul A. Tipler und Ralph A. Llewellyn in der deutschen Übersetzung vor. Eine umfassende Einführung in die Relativitätstheorie, die Quantenmechanik und die statistische Physik wird im ersten Teil des Buches gegeben. Die wichtigsten Arbeitsgebiete der modernen Physik - Festkörperphysik, Kern- und Teilchenphysik sowie die Kosmologie und Astrophysik - werden in der zweiten Hälfte des Buches behandelt. Zu weiteren zahlreichen Spezialgebieten gibt es Ergänzungen im Internet beim Verlag der amerikanischen Originalausgabe, die eine Vertiefung des Stoffes ermöglichen. Mit ca. 700 Übungsaufgaben eignet sich das Buch hervorragend zum Selbststudium sowie zur Begleitung einer entsprechenden Vorlesung. Die Übersetzung des Werkes übernahm Dr. Anna Schleitzer. Die Bearbeitung und Anpassung an Anforderungen deutscher Hochschulen wurde von Prof. Dr. G. Czychołł, Prof. Dr. W. Dreybrodt, Prof. Dr. C. Noack und Prof. Dr. U. Strohbusch durchgeführt. Dieses Team gewährleistet auch für die deutsche Fassung die wissenschaftliche Exaktheit und Stringenz des Originals. Unser Gehirn ist nicht – wie lange angenommen – eine unveränderliche Hardware. Es kann sich vielmehr auf verblüffende Weise umgestalten und sogar selbst reparieren. Norman Doidge verbindet faszinierende Einblicke in die neueste Forschung mit aufsehenerregenden Beispielen aus der Praxis: etwa eine Frau, deren eine Hirnhälfte die Funktionen eines ganzen Gehirns übernahm. Oder der Mann, dessen Gehirn nach einem Schlaganfall die Hirnströme in gesunde Hirnregionen »umleitet« und seinem gelähmten Arm die Bewegungsfähigkeit zurückgibt. All dies ermöglicht unser Gehirn, das stärker und anpassungsfähiger ist, als wir je dachten. Backpacker brings the outdoors straight to the reader's doorstep, inspiring and enabling them to go more places and enjoy nature more often. The authority on active adventure, Backpacker is the world's first GPS-enabled magazine, and the only magazine whose editors personally test the hiking trails, camping gear, and survival tips they publish. Backpacker's Editors' Choice Awards, an industry honor recognizing design, feature and product innovation, has become the gold standard against which all other outdoor-industry awards are measured. Copyright code : [025ce3c33ebd43c62089f86c92e7dda0](https://doi.org/10.253ce3c33ebd43c62089f86c92e7dda0)