Class: Name:

MECHANICAL WAVE (1)

Wave formation and wave types

1. Choose the medium that each wave can propagate (travel) through









Which of them are mechanical waves? (Write the letter only)

a. Ocean wave

b: Sound wave-

c. Light wave

d. Thermal radiation

2. True or False? If the statement is false, correct it by replacing a word or phrase.

| a. In general, a wave is a disturbance that propagates from place to place, carrying matter as it travels. | True / False |
|--|--------------|
| b. A wave in which the particles vibrate right angles (perpendicular) to the direction the wave travels is called a transverse wave. | True / False |
| c. A wave in which the particles vibrate parallel to the direction the wave travels is called a surface wave. | True / False |
| d. Mechanical waves can propagate through vacuum. | True / False |
| e. In transverse wave, particles move in a circle. | True / False |

3. Label the waves.

| | Longitudinal v Transverse wa | | le motion le motion | wave motion wave motion |
|--------------|---------------------------------|-------------|------------------------|----------------------------|
| Crest | Trough | Compression | Rarefaction | Equilibrium position |
| Wave type: _ | | | Wave type: | <u> </u> |
| | | | arm. | |

Mechanical Wave Worksheet Review

Thirumalaisamy P. Velavancorresponding

Mechanical Wave Worksheet Review:

Media Review .1984 Modules .2005 Prentice Hall Science Explorer: Teacher's ed ,2005 **Applied Mechanics** Energy: Mechanical Energy George Graybill, 2013-10-01 This is the chapter slice Mechanical Energy from **Reviews** ,2000 the full lesson plan Energy Unlock the mysteries of energy Energy is more than the ability to do work we present these concepts in a way that makes them more accessible to students and easier to understand The best way to understand energy is to first look at all the different kinds of energy including What Is Energy Mechanical Energy Thermal Sound Energy and Waves as well as Light Energy Our resource provides ready to use information and activities for remedial students using simplified language and vocabulary We also explore other forms of potential energy as well as how energy moves and changes Written to grade and comprised of reading passages student activities and color mini posters our resource can be used effectively for your whole class All of our content meets the Common Core State Standards and are written to Bloom s Taxonomy and STEM initiatives McGraw-Hill Review for the NCLEX-RN Examination Frances Monahan, 2008-03-18 Written by a distinguished educator and nursing text author this rigorous review for the NCLEX RN exam reflects the latest changes in the focus of the exam and mimics the exam structure The author incorporates the new emphasis on client needs throughout the traditional course framework giving students a unique step by step path toward understanding and applying Fundamental Biomechanics of Sport and Exercise James Watkins, 2014-03-26 Fundamental this key concept Biomechanics of Sport and Exercise is an engaging and comprehensive introductory textbook that explains biomechanical concepts from first principles showing clearly how the science relates to real sport and exercise situations The book is divided into two parts The first provides a clear and detailed introduction to the structure and function of the human musculoskeletal system and its structural adaptations essential for a thorough understanding of human movement The second part focuses on the biomechanics of movement describing the forces that act on the human body and the effects of those forces on the movement of the body Every chapter includes numerous applied examples from sport and exercise helping the student to understand how mechanical concepts describe both simple and complex movements from running and jumping to pole vaulting or kicking a football In addition innovative worksheets for field and laboratory work are included that contain clear objectives a description of method data recording sheets plus a set of exemplary data and worked analysis Alongside these useful features are definitions of key terms plus review questions to aid student learning with detailed solutions provided for all numerical questions No other textbook offers such a clear easy to understand introduction to the fundamentals of biomechanics This is an essential textbook for any biomechanics course taken as part of degree programme in sport and exercise science kinesiology physical therapy sports coaching or athletic training UNIX Review ,1986-07

Physical Chemistry Calculations Rodney J. Sime,2005 Physical Chemistry Calculations is a practical guide for students and instructors who want to learn how to use the most popular spreadsheet and computational software to solve problems in

physical chemistry The book provides students with a complementary approach to the chemistry and physics they are learning in the classroom Physical Chemistry Calculations also gives a solid introduction to calculations with Excel VB VBA MathCad and Mathematica Mammography and Breast Imaging PREP: Program Review and Exam Prep Olive Peart, 2012-01-18 A comprehensive review for the mammography registry examination from an experienced educator and clinician who knows exactly what it takes to pass Includes new coverage of the latest digital imaging technologies Written by an instructor and mammography specialist at Stamford Hospital Concise narrative text helps you to focus on essential concepts Practice questions with answers referenced to the text allow you to gauge your comprehension of important material Learning aids such as objectives and glossaries at the beginning of each chapter streamline the learning process Numerous radiographs teach you to recognize good and bad films and normal circumscribed lesions and breast calcifications High quality diagrams help you learn correct patient positioning consistent with the American College of Radiography and the Mammography Quality Control Manual Valuable during coursework to help you recognize and understand concepts that are likely to appear on the exam A complete review for licensure that includes the history of breast imaging breast cancer detection and treatment including new imaging methods and recent advances in digital mammography MRI BSGI DBT volumtetric ultrasound imaging and Cone Beam Breast CT

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Mechanical Wave Worksheet Review Introduction

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