

Electromagnetic Waves Answers

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Electromagnetic Waves Answers

Best Answer: Electromagnetic radiation travels in WAVES. It carries ENERGY from place to place. The waves do not need PARTICLES to travel so can move through space. All electromagnetic waves travel at the same SPEED in a vacuum: 300000km per SECOND 2a) sound is not EM b) the main difference between sound ...

Electromagnetic Waves? | Yahoo Answers

Answers. The energy of the electric and magnetic fields is in the form of an electromagnetic wave. This electromagnetic wave travels at the speed of light. The temperature of a "hot body" is higher than the temperature of a "cold body". Temperature measures the average kinetic energy of the atoms of a "body".

Electromagnetic waves? | Yahoo Answers

Electromagnetic Radiation. The frequency range of such waves is tremendous, and is shown by the electromagnetic spectrum. These waves include radio waves, microwaves, infrared waves, visible light waves, ultraviolet (UV) waves, X-rays, and gamma rays.

Electromagnetic Radiation - answers.com

Questions & answers on electromagnetic spectrum. What is the use of radio waves? Radio waves are mainly used for fixed and mobile radio communication. What is the wavelength range and frequency range of radio waves? Radio waves have the wavelength ranging from 1mm to 100km and frequencies ranging from 3KHZ to 300GHZ.

Questions and answers on electromagnetic spectrum

Print Answer Key (Only the test content will print) Electromagnetic Spectrum Answer Key Use the diagram of the electromagnetic spectrum to answer the questions.

Electromagnetic Spectrum Answer Key - HelpTeaching.com

11. ____ waves occur when the motion of the medium is at right angles (perpendicular) to the direction of the wave. 12. ____ waves are often used in heat lamps. 13. ____ waves are utilized by insects to locate nectar. 14. ____ waves are transverse waves that disturb electromagnetic fields.

Waves & Electromagnetic Spectrum Worksheet

Electromagnetic Waves . Student Worksheet . Answer the following questions during or after your study of Electromagnetic Waves. 1. What is "waving" in an electromagnetic wave? 2. How fast do radio waves travel in a vacuum? How fast does red light travel in a vacuum? How fast do X-rays travel in a vacuum? 3.

Electromagnetic Waves Student Worksheet Answer the ...

Best Answer: Well, your first statement is kind of wrong. Electromagnetic waves are not produced by oscillating magnetic and electric field, rather they consist of perpendicularly oscillating electric and magnetic fields. It's their property and definition. So you can't question a definition. Just imagine the ...

Electromagnetic waves???????????????? | Yahoo Answers

waves occur when the motion of the medium is at right angles (perpendicular) to the direction of the wave. infrared.

Waves & Electromagnetic Spectrum Worksheet Flashcards ...

22. Electromagnetic waves can travel through a vacuum. true false 23. Sound waves are part of the electromagnetic spectrum. true false 24. Light waves, water waves, microwaves and the 'Mexican wave' are all examples of ____ waves. electromagnetic transverse longitudinal (Answers) The electromagnetic spectrum

The electromagnetic spectrum - eChalk

The Electromagnetic Spectrum—Answer Key Radio Waves • Longest wavelength lowest frequency • Wavelength range: 106m to 1m • Usually described by their frequency • Different types of radio waves (from high f to low f are: RADAR, CB (Citizen's Band), FM, Television, AM, Shortwave, Satellite, Communications • AM stands for amplitude modulation and is ...

The Electromagnetic Spectrum—Answer Key - uwyo.edu

Electromagnetic wave worksheet . On a separate sheet of paper, answer the following questions. Staple your answers to this sheet. 1. What kind of wave is a light wave? A light wave is a transverse wave. It is also an electromagnetic wave. 2. What is a medium? Give some examples.

Electromagnetic Wave Worksheet - Gravity Simulator

Start studying Physical Science Chapter 12 Review Electromagnetic Waves. Learn vocabulary, terms, and more with flashcards, games, and other study tools.

Physical Science Chapter 12 Review Electromagnetic Waves ...

An electromagnetic wave is energy that does not need matter to propagate in traveling from one location to another. For example, radiation, visible light, microwaves, infra red, ultra violet, etc.

What is an electromagnetic wave - answers.com

The answer is D. Electromagnetic waves travel in directions that are perpendicular to their electric and magnetic fields. A Range of Frequencies •Electromagnetic waves can have a wide variety of frequencies. •The entire range of electromagnetic wave frequencies is known as the electromagnetic spectrum.

Chapter 12: Electromagnetic Waves - ecschools.net

Q1. Name one peice of technology that uses electromagnetic waves for communication. Draw a flow chart to show the energy change involved when it is used from sender to reciever. Please Help ASAP.10 points stright away to best answer. Answer in Full sentence please.

Science Question (Electromagnetic Waves)? | Yahoo Answers

Electromagnetic waves do not travel in a medium like sound and water waves. They are the interaction of electric and magnetic fields as described by Maxwell's equations. These equations show that a time-varying magnetic field creates an electric field, and conversely, a time-varying electric field creates a magnetic field.

how do electromagnetic waves travel without a medium ...

Electromagnetic energy describes all the different kinds of energies released into space by stars such as the Sun and is made when an atom absorbs energy. The electromagnetic spectrum is a continuum of all electromagnetic waves arranged according to frequency and wavelength. Take up the quiz below and get to review all that we covered these past days.

Physics Quiz: Electromagnetic Spectrum! - ProProfs Quiz

Electromagnetic radiation Gamma rays Radiant energy Visible light Electromagnetic spectrum Infrared waves Radio waves Wavelength Frequency Microwaves Ultraviolet rays X rays Use your notes from pages 9 - 10 and the terms in the vocabulary box to fill in the blanks for the following nine questions. You will not need to use every term.

Electromagnetic Spectrum Worksheet

I am very confused about the topic electromagnetic waves. Can u please answer my questions? 1)Are all the rays in an electromagnetic spectrum transverse waves? 2)Do all the rays in an electromagnetic wave have the same speed of $3 \times 10^8 \text{ ms}^{-1}$? 3)Does the wavelength affect the period (the time taken to produce one complete wave) of a wave?

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