# Electromagnetic Waves Chapter Review Answers

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Directions: Carefully review the table and answer the following questions. Waves 1. Electromagnetic waves of different wavelengths have been given different names. According to the table, which type of electromag-netic wave can have a wavelength greater than 5 m? A Radio waves C Red light B Microwaves D Blue light 2.

#### Chap Resources 11.pdf - Mr. Insua Science

Electromagnetic Waves Chapter Exam Instructions. Choose your answers to the questions and click 'Next' to see the next set of questions. You can skip questions if you would like and come back to ...

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While waves move back and forth, turbines must rotate in one direction. 4. The protype uses the air pressure created by the waves, rather than the waves themselves, to turn the turbines in one direction. Note-taking Worksheet (page 33) Refer to teacher outline; student answers are underlined. Assessment Chapter Review (page 37) Part A ...

## Teacher Guide & Answers (continued) Teacher Support & Planning - Hanover Area School District

16. In both surface waves and transverse waves, particles move perpendicular to the direction of motion of the wave. Review 1. Both mechanical and electromagnetic waves carry energy from place to place, and both can travel through a medium. Mechanical waves require a medium to travel through, but electromagnetic waves do not. 2.

### **Science Spectrum Answer Keycontinued - Weebly**

Section 18.2 The Electromagnetic Spectrum (pages 539–545) This section identifies the waves in the electromagnetic spectrum and describes their uses. Reading Strategy (page 539) Summarizing Complete the table for the electromagnetic spectrum. List at least two uses for each kind of wave. For more information on this Reading

# Chapter 18 The Electromagnetic Spectrum and Light Section 18.2 The Electromagnetic Spectrum - iBlog Teacher Websites - Dearborn Public Schools

from particle to particle, electromagnetic waves travel by trans-ferring energy between vibrating electric and magnetic fields. Figure 1 Water waves and sound waves require matter to move through. Energy is transferred from one particle to the next as the wave trav-els through the matter. 390 CHAPTER 13 Electromagnetic Waves

#### **Chapter 13: Electromagnetic Waves - LPS**

Chapter 18: The Electromagnetic Spectrum and Light Chapter Exam Instructions. Choose your answers to the questions and click 'Next' to see the next set of questions.

# Chapter 18: The Electromagnetic Spectrum and Light - Practice Test Questions & Chapter Exam | Study.com

Chapter 18The Electromagnetic Spectrum and Light ... 214 Physical Science Reading and Study Workbook Chapter 18 Radio Waves (pages 540–542) 5. Circle the letter of each way that radio waves might be used. ... of all the electromagnetic waves. 17. How is gamma radiation used in medicine?

# Chapter 18The Electromagnetic Spectrum and Light Section 18.2 The Electromagnetic Spectrum - Quia

Section 18.1 Electromagnetic Waves (pages 532–538) This section describes the characteristics of electromagnetic waves. Reading Strategy(page 532) Comparing and Contrasting As you read about

electromagnetic waves, fill in the table below. If the characteristic listed in the table describes electromagnetic waves, write E in the column for Wave ...

# Chapter 18The Electromagnetic Spectrum and Light Section 18.1 Electromagnetic Waves - bayhicoach.com

CHAPTER 22: Electromagnetic Waves Answers to Questions 1. If the direction of travel for the EM wave is north and the electric field oscillates east-west, then the magnetic field must oscillate up and down. For an EM wave, the direction of travel, the electric field, and the magnetic field must all be perpendicular to each other. 2.

### **CHAPTER 22: Electromagnetic Waves Answers to Questions**

Unit 5 Waves (Chapter 17 & 18) R eview Answer Key. What do all waves transfer? E. nergy. What is a mechanical wave? A wave that requires a medium. Give two examples of mechanical waves: sound . waves & ocean waves. What is a longitudinal wave? A wave . in which the particles of the medium travel . parallel to the. direction of the wave.

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Example 25-3 Energy Density The electric and magnetic fields of an electromagnetic wave are oriented as shown.(a) What is the direction of propagation of this wave?(b) If the average energy density of this wave is  $3.28 \times 10$ -6 J/m 3, what are the rms values of the electric and magnetic fields? Picture the Problem The sketch shows the directions of and in an electromagnetic wave.

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