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STUDY GUIDE

Chapter 19

Electromagnetic Radiation

Text Pages 484-491

On the blan	k, write the letter of the term that best completes each	h statement.
1.	The transfer of energy by electromagnetic wa. modulation	vaves is called b. radiation
2.	Infrared radiation has a wavelength slightly a. microwaves	longer than b. visible light
3.	a. Microwaves	b. Ultraviolet radiation
4.	radiation has a higher frequency than a. Ultraviolet	o visible light. b. Infrared
5.	Photons are tiny bundles of radiation that has mass	ave no b. energy
6.	Objects containing heat can emit a. X rays	b. infrared radiation
7.	have the lowest photon energy. a. Radio waves	b. Gamma rays
8.	Radio waves are radiation with very longa. wavelengths	and very low frequencies. b. photons
9.	have the highest frequency of all electrical a. X rays	tromagnetic waves. b. Gamma rays
10.	 Electromagnetic waves are classified accord electromagnetic a. photon 	ing to their wavelengths on the b. spectrum
11.	$\frac{1}{a}$ can be used to check for broken bon $\frac{1}{a}$ rays	es. b. Infrared rays
12	Ozone in Earth's atmosphere blocks most of a. ultraviolet rays	b. infrared rays
13	Visible radiation is the only part of the eleca. see	tromagnetic spectrum you can b. feel
14	Radio waves can be changed by a process ca. radiation	alled b. modulation
15	are radio waves with the highest freq	uency and energy. b. Microwayes