

- _____ 11. If light waves change speed when they pass from one medium into another, the light will be _____.
a. refracted c. diffused
b. reflected d. separated
- _____ 12. Which of the following do acoustical engineers NOT deal with when designing a space?
a. reflection c. absorption
b. ultrasound d. reverberation
- _____ 13. Which light wave has the longest wavelength and the lowest frequency?
a. red c. yellow
b. violet d. blue
- _____ 14. Visible light has a higher frequency than
a. ultraviolet rays. c. X-rays.
b. gamma rays. d. infrared rays.
- _____ 15. Reflection of light waves from a smooth surface is _____.
a. diffuse reflection c. mirror reflection
b. irregular reflection d. regular reflection
- _____ 16. The range of electromagnetic waves placed in a certain order is called the
a. electromagnetic field. c. electromagnetic frequency.
b. electromagnetic wavelength. d. electromagnetic spectrum.
- _____ 17. Which is the most important source of electromagnetic waves for Earth?
a. the Sun c. humans
b. the Moon d. fire
- _____ 18. A blue shirt looks blue in white light because _____ is reflected from the shirt.
a. green light c. white light
b. black light d. blue light
- _____ 19. If a sound is high pitched and loud, the sound wave is _____.
a. high frequency and high amplitude c. low frequency and low amplitude
b. high frequency and low amplitude d. low frequency and high amplitude
- _____ 20. A particle of electromagnetic radiation is called a _____.
a. nucleus c. broadcasting
b. photon d. proton