

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