

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- ____ 11. Visible light has a higher frequency than
a. gamma rays. c. X-rays.
b. infrared rays. d. ultraviolet rays.
- ____ 12. A blue shirt looks blue in white light because _____ is reflected from the shirt.
a. blue light c. green light
b. white light d. black light
- ____ 13. Electromagnetic waves can transfer energy without a(n)
a. medium. c. magnetic field.
b. change in either a magnetic field or an electric field. d. electric field.
- ____ 14. All of the following material would cause diffuse reflections **EXCEPT** _____.
a. leather c. glass
b. fabric d. brick
- ____ 15. Wax paper is _____.
a. translucent c. reflective
b. transparent d. opaque
- ____ 16. If light waves change speed when they pass from one medium into another, the light will be _____.
a. reflected c. separated
b. refracted d. diffracted
- ____ 17. The range of electromagnetic waves placed in a certain order is called the
a. electromagnetic spectrum. c. electromagnetic wavelength.
b. electromagnetic field. d. electromagnetic frequency.
- ____ 18. Plastic wrap is _____.
a. translucent c. opaque
b. reflective d. transparent
- ____ 19. All of the following are part of seeing yourself in a mirror **EXCEPT** _____.
a. light from you hits the mirror c. light from the mirror hits your eye
b. light reflects off you d. lights from the mirror hits the wall
- ____ 20. Which of the following media can sound NOT travel through?
a. air c. metal
b. empty space d. water