

- ____ 11. If light waves change speed when they pass from one medium into another, the light will be ____.
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| a. refracted | c. diffused |
| b. reflected | d. separated |
- ____ 12. Which of the following do acoustical engineers NOT deal with when designing a space?
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| a. reflection | c. absorption |
| b. ultrasound | d. reverberation |
- ____ 13. Which light wave has the longest wavelength and the lowest frequency?
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| 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 ____.
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| 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
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|--------------------------------|-------------------------------|
| a. electromagnetic field. | c. electromagnetic frequency. |
| b. electromagnetic wavelength. | d. electromagnetic spectrum. |
- ____ 17. Which is the most important source of electromagnetic waves for Earth?
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|-------------|-----------|
| 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.
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| 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 ____.
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|--------------------------------------|-------------------------------------|
| 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 ____.
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|------------|-----------------|
| a. nucleus | c. broadcasting |
| b. photon | d. proton |