

Electromagnetic Radiation: Multiple Choice

1. In a vacuum, electromagnetic radiation of short wavelengths
A) travels as fast as radiation of long wavelengths.
B) travels slower than radiation of long wavelengths.
C) travels faster than radiation of long wavelengths.
D) can travel both faster and slower than radiation of long wavelengths.

ANS: A

1. Select the arrangement of electromagnetic radiation which starts with the lowest energy and increases to greatest energy.
A) radio, visible, infrared, ultraviolet
B) infrared, visible, ultraviolet, microwave
C) visible, ultraviolet, infrared, gamma rays
D) X-radiation, visible, infrared, microwave
E) microwave, infrared, visible, ultraviolet

ANS: E

1. The radio waves reflected by a parabolic dish are 4.0 cm long. How long should the antenna be that detects the waves?
A) 2.0 m
B) 2.0 cm
C) 2.5 cm
D) 1.0 cm

ANS: B

1. Select the arrangement of electromagnetic radiation which starts with the lowest energy and increases to greatest energy.
A) radio, infrared, ultraviolet, gamma rays
B) radio, ultraviolet, infrared, gamma rays
C) gamma rays, infrared, radio, ultraviolet
D) gamma rays, ultraviolet, infrared, radio
E) infrared, ultraviolet, radio, gamma rays

ANS: A

1. Select the arrangement of electromagnetic radiation which starts with the shortest wavelength and increases to greatest wavelength.
A) radio, infrared, ultraviolet, gamma rays
B) radio, ultraviolet, infrared, gamma rays
C) gamma rays, radio, ultraviolet, infrared
D) gamma rays, infrared, radio, ultraviolet

Multiple Choice Questions And Answers On Electromagnetic

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