

Which of the following object has a dimension in the range of the wavelength of visible light?

- A) A man ( $\approx 2$  m) is of the wavelength of visible light.
- B) A bean ( $\approx 1$  cm) is of the wavelength of visible light.
- C) A grain under a powerful microscope (fraction of 1 micron) is of the wavelength of visible light.
- D) An atom ( $\approx 10^{-10}$  m) is of the wavelength of visible light.

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Range of visible light wavelength is:  $0.4 - 0.7 \mu\text{m}$ . A grain under a powerful microscope is about 1 micron ( $10^{-6}$  m).

Answer **C**.