

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

- A) A man (≈ 2 m) is of the wavelength of visible light.
- B) A bean (≈ 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.

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**.