

**1** Which of the following is not a reasonable estimate?

**A** Sound of frequency in the order of  $10^9$  Hz is audible to human beings.

**B** Light of wavelength in the order of  $10^{-7}$  m is visible to human beings.

**C** The volume of an average-sized orange is in the order of  $10^{-4}$  m<sup>3</sup>.

**D** The speed of beta particles emitted from a nucleus is in the order of  $10^7$  m s<sup>-1</sup>.