

21 Which region of the electromagnetic spectrum is used for detecting fake bank notes?

- A** radio
- B** microwaves
- C** ultraviolet
- D** X-rays

22 A radio transmitter broadcasts at a frequency of 200 kHz.

What is the wavelength of these radio waves?

- A** 6.7×10^{-4} m **B** 1.5 m **C** 1.5×10^3 m **D** 1.5×10^6 m

21 Visible light has wavelengths in the range 4.0×10^{-7} m to 7.0×10^{-7} m.

What is the range of the frequencies of visible light?

- A** 0.12 Hz to 0.21 Hz
- B** 120 Hz to 210 Hz
- C** 4.3×10^{11} Hz to 7.5×10^{11} Hz
- D** 4.3×10^{14} Hz to 7.5×10^{14} Hz