

- 23** The table lists possible orders of magnitude of the wavelengths of some of the principal radiations of the electromagnetic spectrum.

Which row shows the correct orders of magnitude of the wavelengths?

| | wavelength / m | | | |
|----------|----------------|------------|-------------|------------|
| | microwaves | infra-red | ultraviolet | X-rays |
| A | 10^{-6} | 10^{-10} | 10^{-12} | 10^{-14} |
| B | 10^{-4} | 10^{-8} | 10^{-10} | 10^{-12} |
| C | 10^{-2} | 10^{-6} | 10^{-8} | 10^{-10} |
| D | 10^2 | 10^{-4} | 10^{-6} | 10^{-8} |