

**24** Two electromagnetic waves have wavelengths of  $5.0 \times 10^{-7}$  m and  $5.0 \times 10^{-2}$  m.

Which row identifies the regions of the electromagnetic spectrum to which the waves belong?

	wavelength $5.0 \times 10^{-7}$ m	wavelength $5.0 \times 10^{-2}$ m
<b>A</b>	ultraviolet	infrared
<b>B</b>	visible	microwave
<b>C</b>	ultraviolet	microwave
<b>D</b>	visible	infrared

**25** A transmitter of electromagnetic waves is placed 45 cm from a reflective surface.