

**26** Three different electromagnetic waves P, Q and R have the frequencies shown.

	frequency/Hz
P	$3 \times 10^{10}$
Q	$3 \times 10^{13}$
R	$6 \times 10^{14}$

Which row identifies P, Q and R?

	P	Q	R
<b>A</b>	infra-red	visible	ultraviolet
<b>B</b>	microwave	infra-red	visible
<b>C</b>	ultraviolet	X-ray	gamma ray
<b>D</b>	visible	ultraviolet	X-ray

**27** Which row describes the oscillations of two moving particles in a stationary wave that are