

**27** The table contains statements about stationary and progressive waves.

Which row is correct?

	stationary wave	progressive wave
<b>A</b>	all particles vibrate with the same amplitude	all particles vibrate with the same amplitude
<b>B</b>	energy is transferred along the wave	energy is transferred along the wave
<b>C</b>	particles in adjacent loops vibrate in antiphase	particles vibrate in phase with their immediate neighbours
<b>D</b>	particles one wavelength apart vibrate in phase	particles one wavelength apart vibrate in phase

**28** Which electromagnetic wave would cause the most significant diffraction effect for an atomic