

**22** Which statement about longitudinal waves is correct?

- A** Longitudinal waves include radio waves travelling through air.
- B** Particles in a longitudinal wave vibrate at right-angles to the direction of transfer of wave energy.
- C** Some types of longitudinal wave can be polarised.
- D** Stationary waves can be produced by the superposition of longitudinal waves.

**23** The order of magnitude of the frequency of the longest wavelength ultraviolet waves can be