

**22** Polarisation is a phenomenon associated with a certain type of wave.

Which condition **must** be fulfilled if a wave is to be polarised?

**A** It must be a light wave.

**B** It must be a longitudinal wave.

**C** It must be a radio wave.

**D** It must be a transverse wave.

**23** A sound wave has displacement  $y$  at distance  $x$  from its source at time  $t$ .