

**26** Which statement is an example of the diffraction of light?

- A** the addition of the amplitudes of two beams of light which are in phase
- B** the change in direction of a beam of light when passing from air into water
- C** the separation of a beam of white light into a spectrum of colours using a prism
- D** the spreading of a beam of light as it passes through a small hole

**27** Sound waves of wavelength 1 m are emitted by a loudspeaker and pass through two slits D and E.