

29 Which wave **cannot** be a longitudinal wave?

- A** a diffracted wave
- B** a polarised wave
- C** a reflected wave
- D** a stationary wave

30 Microwaves are used to heat food. The microwaves have a wavelength of 1.7 cm . The frequency of the microwaves is $2.45 \times 10^9\text{ Hz}$. Calculate the speed of the microwaves.