

**29** Radio waves can be polarised, but sound waves **cannot** be polarised.

Which statement gives the reason for this?

- A** Radio waves are generally of a higher frequency than sound waves.
- B** Radio waves are transverse waves, but sound waves are longitudinal waves.
- C** Radio waves can travel through a vacuum, but sound waves **cannot** travel through a vacuum.
- D** Radio waves travel at a much higher speed than sound waves.