

27 To produce a stationary wave, two waves must travel in opposite directions through the same space.

Which statement about the properties of the two waves **must** also be correct?

- A The waves must have equal frequencies, but different speeds and wavelengths.
- B The waves must have equal speeds, but different wavelengths and frequencies.
- C The waves must have equal speeds, frequencies and wavelengths.
- D The waves must have equal wavelengths, but different speeds and frequencies.