

- 21** A signal generator, amplifier and loudspeaker are used to produce different sound waves in the air of a room. The relationships between the properties of these waves are investigated.

Which relationship is **not** correct?

- A** Amplitude is proportional to wavelength.
- B** Frequency is inversely proportional to wavelength.
- C** Intensity is proportional to amplitude squared at a given frequency.
- D** Period is equal to the reciprocal of frequency.