

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.

22 When a signal is applied to a circuit, it is found that the signal is