15 Which statement about waves is correct?

A Sound waves of higher frequency have a greater period than sound waves of a lower frequency.

B The principle of superposition states that when waves are superposed the amplitude of the resultant wave is equal to the sum of the amplitudes of the separate waves.

C The wavelength of a progressive sound wave is equal to the distance between any two air molecules that are vibrating in phase.

D Two light waves are said to be coherent providing there is a constant phase difference between them.