

21 A progressive sound wave is a means of transferring energy.

A progressive sound wave of constant frequency is generated in air. The intensity of energy transfer is directly proportional to another of the wave parameters.

Which of the following is correct?

- A** intensity \propto (amplitude)²
- B** intensity \propto (periodic time)²
- C** intensity \propto (speed)²
- D** intensity \propto (wavelength)²