

17 A small source of sound transmits energy equally in all directions. The intensity of the sound 3.0 m away from the source is 0.18 W m^{-2} .

If the power of the source is tripled, what is the intensity of the sound at a distance 4.5 m away from the source?

- A** 0.090 W m^{-2}
- B** 0.14 W m^{-2}
- C** 0.18 W m^{-2}
- D** 0.24 W m^{-2}