

KC's Multiple Select

Energy & Intensity

- *Waves-Oscillations.Energy-Intensity.MS.KC.1:* Which of the following must increase when a sound becomes louder?
 - (a) frequency
 - (b) wavelength
 - (c) amplitude
 - (d) period
 - (e) velocity
- *Waves-Oscillations.Energy-Intensity.MS.KC.2:* Sound from a source is heard at 70 dB. Then the sound intensity level increases by 10 dB but the distance between the source and the observer doesn't change. Which of the following statements are true regarding this situation.
 - (a) The decibels increased by a factor of 10.
 - (b) The intensity increased by a factor of 10.
 - (c) The power of the source increased by a factor of 10.
 - (d) The intensity remained constant while the power increased by 10.
 - (e) The power increased 10 times more than the intensity.

