

# CHAPTER 11—NOISE

Due Nov 5 at 12:59pm	Points 10	Questions 5	Time Limit None
----------------------	-----------	-------------	-----------------

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	5 minutes	10 out of 10

! Correct answers are hidden.

Score for this quiz: **10** out of 10  
Submitted Nov 2 at 8:26pm  
This attempt took 5 minutes.

Question 1

2 / 2 pts

What is the frequency in Hz of the sound emitted from a fan with 35 blades operating at 4,000 rpm?

☐ 525

☐ 3400

☐ 1866

☐ 0.525

☒ 2333

Question 2

2 / 2 pts

If you want to install five machines with the following individual noise levels 86.0, 88.1, 88.1, 82.2, 84.5, what would the total noise level be?

☐ 85.78

☐ 87.4

☒ 93.3

☐ 214.8

☐ 101.2

### Question 3

2 / 2 pts

Match the following terms to their definitions.

**Presbycusis**

Age related hearing loss ☐

**Noise**

Unwanted sound ☐

**Cochlea**

Fluid filled canals that ☐

**Ossicles**

The bones of the inner ear ☐

### Question 4

2 / 2 pts

If the the noise level from a compressor is 83.98 dBA with a controlling frequency of 900 Hz, measured at 200 ft from the source, if you placed a wall 20 ft high, 15 ft away from the source, what is the new SPL in dBA?

☒ 63.4

☐ 52.5

☐ 58.1

☐ 47.3

### Question 5

2 / 2 pts

If you measured the 3,000-Hz noise coming from a compressor outdoors to be 110 dBA at a distance of 10 ft, what would you estimate the noise level to be at a distance of 200 ft?

☒ 83.9

☐ 92.2

☐ 4.81

☐ 136

Quiz Score: **10** out of 10