

Lab 15 - Biological - IAQ

Due Dec 6 at 8am	Points 9	Questions 3	Time Limit None
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Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	438 minutes	9 out of 9

⚠️ Correct answers are hidden.

Score for this quiz: 9 out of 9
Submitted Dec 3 at 11:10pm
This attempt took 438 minutes.

Question 1

3 / 3 pts

For an auditorium style classroom that has dimensions of 40 feet long, 60 feet wide, and has 14 foot ceilings, what is the number of air changes per hour if the room is being supplied with 1,200 cfm of air from the HVAC system?

☐ 6

☐ 0.04

☐ 1512000

☒ 2.14

Question 2

3 / 3 pts

A dining space of a restaurant with an occupant load factor from the Life Safety Code of 15 ft^2 per person. The dining space is 60 feet long by 60 ft wide and has a 12 foot ceiling. What is the recommended

total ventilation rate of the space in air changes per hour if the recommended ventilation rate per person is 7.5 cfm?

- ☐ 64
- ☐ 6.4
- ☐ 4
- ☐ 5.625
- ☒ 0.5625
- ☐ 0.4

Question 3

3 / 3 pts

What is the ventilation rate in cfm/person for a casino gaming floor with 1 ACPH with an occupant density of 90 persons/1,000ft² if the room has a ceiling height of 12 ft?

- ☐ 0.018
- ☐ 0.015
- ☐ 15
- ☐ Insufficient information to calculate
- ☒ 18

Quiz Score: **9** out of 9