CHAPTER 7—AEROSOLS

Due Oct 4 at 12:59pm **Points** 10 **Questions** 5 **Time Limit** None

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	76 minutes	10 out of 10

ⓘ Correct answers are hidden.

Score for this quiz: **10** out of 10
Submitted Oct 3 at 10:15pm
This attempt took 76 minutes.

Question 1

2 / 2 pts

Match the following terms to their definition.

Mists	created by physical pı
Fogs	created by condensat
Smokes	Complex mixtures of s
Fumes	Solid aerosol particles
Fibers	Particles that have a l
Dusts	Suspended particles i

Question 2

2 / 2 pts

Match the following terms to their definition.

Inhalable Particulate Mass	Mean aerodynamic di
Thoracic Particulate Mass	Mean aerodynamic di
Respirable Particulate Mass	Mean aerodynamic di

Question 3

2 / 2 pts

In the field, you set the air-sampling pump's flow rate to 1.7 L/min using a precision rotameter and sample the air for 350 min. You note and record the field temperature as 80F (26.6C) and the barometric pressure as 650 mmHg. Calculate the corrected volume of air in liters for normal temperature and pressure (25C and 760 mmHg).

- (●) 506
- ( ) 692
- ( ) 699
- ( ) 478
- ( ) 511

Question 4

2 / 2 pts

Match the following terms to their definitions.

Pneumoconiosis	Generic name for a gı
Fibrosis	Scaring of the lungs fı
Metal Fume Fever	A complex acute aller

Question 5

2 / 2 pts

You calibrate a sampling pump prior to performing a personal sampling event and measure a flow rate of 2.22 lpm. At the end of the sampling event you also calibrate the sampling pump and measure a flow of 1.95 lpm. If the sampling event lasted 7.25 hours, what is your sample volume (assume 25C and 760mmHg for the entire event) and is this an acceptable amount of pump drift?

- 907 liters, Yes
- 15.1 liters, No
- (selected) 907 liters, No
- 15.1 liters, Yes

Quiz Score: **10** out of 10