

PRINTED TEST

NAME \_\_\_\_\_ 2018 DATE \_\_\_\_\_

Smith Seminars

Air Pollution Effects on the Lungs

1. \_\_\_\_ Exposure to air pollution:
  - A) Can cause acute (short-term) health effects
  - B) Can cause chronic (long-term) health effects
  - C) A & B
  - D) None of the above
  
2. \_\_\_\_ Human health effects associated with indoor air pollution are:
  - A) Headaches, tiredness, and dizziness
  - B) Nausea
  - C) Throat irritation
  - D) All the above
  
3. \_\_\_\_ Patients can protect themselves and their family from smoke by:
  - A) Exercising
  - B) Leaving the area
  - C) Using dust masks or bandanas
  - D) All the above
  
4. \_\_\_\_ Patients can protect themselves from carbon monoxide exposure by:
  - A) Installing a battery-operated CO detector in the home
  - B) Using a generator by a window
  - C) Running a car or truck with the garage door open
  - D) All the above
  
5. \_\_\_\_ Long-term health effects can include:
  - A) Chronic respiratory disease and lung cancer
  - B) Heart disease
  - C) Damage to the brain, nerves, liver, or kidneys
  - D) All the above
  
6. \_\_\_\_ Diagnosis of asbestosis includes:
  - A) History of exposure
  - B) Chest X-ray or chest CT
  - C) A & B
  - D) None of the above

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7. \_\_\_\_\_ Discrete plaques:

- A) Typically affect the bilateral parietal pleurae adjacent to the apex
- B) Typically affect the bilateral parietal pleurae between the 1st and 4th ribs
- C) Occur in up to 60% of workers exposed to asbestos
- D) None of the above

8. \_\_\_\_\_ Chronic beryllium disease often results in progressive loss of respiratory function with early abnormalities including:

- A) Air flow obstruction and decreased oxygenation on ABG at rest and during exercise testing
- B) Decreased diffusing capacity for carbon monoxide (DLco) and restriction
- C) Pulmonary hypertension and right ventricular failure
- D) None of the above

9. \_\_\_\_\_ More water-soluble gases (chlorine, ammonia, sulfur dioxide, hydrogen chloride):

- A) Dissolve in the upper airway and immediately cause mucous membrane irritation, which may alert people to the need to escape the exposure.
- B) Can permanently damage to the upper respiratory tract, distal airways, and lung parenchyma if escape from the gas source is impeded.
- C) A & B
- D) None of the above

10. \_\_\_\_\_ Humidifier fever occurs in nonindustrial buildings:

- A) As a consequence of humidifiers or other types of ventilation units
- B) Because of a reservoir for the growth of bacteria or fungi in humidifiers or other types of ventilation units
- C) Because humidifiers or other types of ventilation units serve as a method of aerosolizing bacteria or fungi
- D) All the above

# Evaluation Form

Course Sponsor: Smith Seminars (CRCE Sponsor)

Title of Activity: Air Pollution Effects on the Lungs

Title of Module: Air Pollution Effects on the Lungs

Learner's achievement of each objective. Rate each on a scale of 1=low 5=high. (Circle One)

## **Objective 1**

How air pollution affects health and welfare.

Tools to help the patient decrease the effects of air pollution.

The impact of environmental pulmonary diseases due to exposure to air pollution.

Current diagnosis and treatment for inhalation pulmonary diseases due to exposure to air pollution.

1 2 3 4 5

## **Purpose/Goal of this activity**

Attendee will be aware of the current information and will be able to meet the required continuing education.

Relationship of objectives to overall Purpose/Goal of activity.

1 2 3 4 5

If conflict of interest, off-label use, commercial support, or in-kind support were evident in the education component of this program, were you notified? (Circle One)

N/A — not applicable for any of the above

Yes

No

Comments:

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Content was presented without bias of any commercial product or drug. (Circle One)

Yes

No

Comments:

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Will the information you gained from this program change your practice? (Circle One)

Yes

No

Comments:

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Additional comments or suggestions

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Submission Instructions

Print the test, answer the questions, complete the evaluation, and fill out personal information.

Submission Method #1 – Go to [www.smithseminars.com](http://www.smithseminars.com) complete online test and evaluation

Submission Method #2 – Fax to us at 972-759-9791

Submission Method #3 –Smith Seminars, 3016 W Hwy 114, Paradise, TX 76073 (if you use this method, your certificate will be dated the day it arrives in the office. If you need your certificate earlier, call the office and you will be instructed to supply the answers on the phone)

AARC members please include AARC membership number, if you have one.

This program is AARC-approved for 2 CRCE credits.

The test must be completed and passed prior to December 31 of the year of purchase.

You must complete 70% correctly to receive your certificate of completion.

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