

New Jersey Worker Health and Radiation Safety Questions-(2020)

1. Most of the Radon in homes comes from:

- A. Building Materials
- B. Burning liquid propane in a fireplace
- C. The underlying soil
- D. Water while taking a 10 minute shower

2. According to EPA what is the rate of homes with elevated radon?

- A. One in 15
- B. One in 20
- C. One in 30
- D. One in 40

3. The radiation exposure tracking of NJ radon measurement technicians and specialists requires:

- A. Continuous monitoring if exposure is 1 WLM/Y
- B. Stop working if 4 WLM/y is approached
- C. Annual exposure cannot exceed 4 WLM/Y
- D. All of the above

4. The average indoor radon concentration in US homes is:

- A. 0.4 pCi/L
- B. 0.8 pCi/L
- C. 1.3 pCi/L
- D. 4.0 pCi/L

5. The Radon Action Level recommended in the US is:

- A. 2.7 pCi/L
- B. 4.0 pCi/L
- C. 5.4 pCi/L
- D. 8.0 pCi/L

6. The Equilibrium Ratio between the Radon Decay Products and Radon used by CERTIFIED to convert radon to Working Level is:

- A. 1.0
- B. 0.4
- C. 0.5
- D. 0.7

7. The minimum time of exposure for charcoal canisters and electret ion chambers is:

- A. 24 hours
- B. 36 hours
- C. 48 hours
- D. 4 days

8. Inhaled radon gas is more dangerous than inhaled radon decay products:

- A. True
- B. False

9. Radon decay products that plate out on surfaces present a health hazard:

- A. True
- B. False

10. The concentration of radon decay products is expressed as:

- A. pCi/L
- B. Bq/m<sup>3</sup>
- C. WLM
- D. WL

11. How many hours of continuous education are required for a NJ measurement technician to maintain his/her certification?

- A. 3 hours/year
- B. 4 hours/year
- C. 8 hours/year
- D. 16 hours/year

12. Which of the following radon measuring instruments is considered a short term passive measuring device?

- A. A continuous WL measuring device
- B. An alpha track detector
- C. A charcoal canister
- D. A continuous radon monitor using a pump to pull test air through its detector assembly

13. School testing in NJ requires:

- A. Test all rooms in contact with the ground or over crawl spaces
- B. Maintain a list of all test locations
- C. Record all information on chain of custody form
- D. Mark and sketch all test locations on a school floor plan
- E. All of the above

Measurement technician's or specialist's Name: \_\_\_\_\_

Certification ID # \_\_\_\_\_

Measurement Firm \_\_\_\_\_

Telephone # \_\_\_\_\_ e-mail \_\_\_\_\_

Passing score: 70%

Important: Every certified radon measurement technician or specialist must review the QA plan, pass the test and return the examination to CERTIFIED for evaluation in order to engage in radon testing in New Jersey.