

**Grades 6-8: Radon Activity Badge Quiz**  
*Results and answers will be emailed to contact information provided.*

Name/Troop Number: \_\_\_\_\_

Contact Name: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

- 1) \_\_\_\_\_ **Radon gas is \_\_\_\_\_.**
  - a. Odorless
  - b. Colorless
  - c. Tasteless
  - d. All of the above.
  
- 2) \_\_\_\_\_ **Radon comes from the natural breakdown of \_\_\_\_\_ in soil, rock, and water.**
  - a. Uranium
  - b. Oxygen
  - c. Mercury
  - d. Hydrogen
  
- 3) \_\_\_\_\_ **You most likely get your greatest exposure to radon \_\_\_\_\_.**
  - a. In a swimming pool
  - b. At a baseball game
  - c. At Home
  - d. On a school bus
  
- 4) \_\_\_\_\_ **Radon gas enters your home through \_\_\_\_\_.**
  - a. Cracks in the floor
  - b. Cracks in walls
  - c. The water supply
  - d. All of the above
  
- 5) \_\_\_\_\_ **The two general ways to test for radon are \_\_\_\_\_ and \_\_\_\_\_ testing.**
  - a. Smoke and carbon monoxide
  - b. Color and smell
  - c. Short-term and long-term
  - d. Essay and multiple choice

- 6) \_\_\_\_\_ **Short-term radon tests must last at least \_\_\_\_\_.**
- a. 2 days
  - b. 5 months
  - c. 1 year
  - d. 2 years
- 7) \_\_\_\_\_ **The U.S. Environmental Protection Agency action level for radon is \_\_\_\_\_.**
- a. 0.0 pCi/L
  - b. 4.0 pCi/L
  - c. 20.0 pCi/L
  - d. 100.0 pCi/L
- 8) \_\_\_\_\_ **To know the radon levels in your home, you must \_\_\_\_\_.**
- a. Open the windows
  - b. Install a smoke alarm
  - c. Vacuum
  - d. Test using a short-term or long-term test kit
- 9) \_\_\_\_\_ **Over a long period of time, radon gas can have a harmful impact on your \_\_\_\_\_.**
- a. Eyes
  - b. Lungs
  - c. Heart
  - d. Liver
- 10) \_\_\_\_\_ **Radon gas is the \_\_\_\_\_ leading cause of lung cancer.**
- a. second
  - b. fifth
  - c. seventh
  - d. tenth
- 11) \_\_\_\_\_ **Elevated levels of radon have been found \_\_\_\_\_.**
- a. Only in certain counties in Illinois
  - b. Only in Chicago
  - c. Only in Lake Michigan
  - d. Throughout Illinois

- 12) \_\_\_\_\_ **Test kits may be available at \_\_\_\_\_.**
- a. Hardware stores
  - b. County health departments
  - c. The American Lung Association in Illinois
  - d. All of the above
- 13) \_\_\_\_\_ **Performing work on your home to reduce radon levels is called \_\_\_\_\_.**
- a. Construction
  - b. Measurement
  - c. Remodeling
  - d. Mitigation
- 14) \_\_\_\_\_ **The most common method of mitigation is using a \_\_\_\_\_ and a \_\_\_\_\_.**
- a. Vent Pipe
  - b. Fan
  - c. Window
  - d. A. and B.
- 15) \_\_\_\_\_ **The State of Illinois radon program was developed by the \_\_\_\_\_.**
- a. U.S. Environmental Protection Agency
  - b. University of Illinois
  - c. Illinois Emergency Management Agency
  - d. City of Springfield