

**TEACHER'S NOTES 8****IS THERE RADON IN NEW JERSEY?**

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**BACKGROUND**

In this exercise, students will make decisions regarding how to approach the problem of identifying homes with high radon. They may have a difficult time getting started, but with some encouragement may devise some very creative solutions. This exercise is best performed in small groups of 3 to 5 students.

**MINIMUM RECOMMENDED TIME ALLOCATION**

One class period, followed by a homework assignment to write up the results.

**STUDENT RESPONSES**

Question 2: Students should be able to calculate how many measurements they will be able to make (400), and should deal with the issue of how to go about selecting which homes to measure. Because of the limited number of measurements that can be taken, they should reason that screening tests would be best designed to estimate “worst case” radon levels. Since the students are looking for the homes highest in radon, their strategy should take into account the location of homes *known* to be high and the underlying geology and soils in these areas.

Question 3: For initial tests (worst case), measurements should be taken on the lowest level of the home (basement if there is one). For measuring the average exposure of the residents, measurements should be distributed among some of the rooms where residents spend most of their time.

Question 4: Answers will vary.

Question 5: Answers will vary.

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**Radon Alert**  
**Lesson Plan Evaluation Sheet**  
**and FREE POSTER AND STORYBOOK offer**

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The New Jersey Department of Environmental Protection is happy to provide these lesson plans for use by teachers. In order to evaluate the use of the lesson plans, we would greatly appreciate your response to the following questions. All teachers who return these forms will receive a FREE RADON POSTER depicting information about radon in a colorful format and a STORYBOOK about a Native American child and his experience with radon in his home.

**1. Which Radon Alert lesson plan(s) did you use?**

\_\_\_\_\_

**2. How useful did you find it/them (check one) ?**

- Not useful  
 Slightly useful  
 Moderately useful  
 Very useful  
 Extremely useful

**3. Do you plan to use them again in the future?  Yes  No**

**4. In your view, what would make the lesson plans MORE useful:**

**Your name:** \_\_\_\_\_ **Phone Number:** \_\_\_\_\_

**Subject area:** \_\_\_\_\_ **Grade:** \_\_\_\_\_

**Mailing address:**

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**To receive your FREE RADON POSTER and STORYBOOK, mail or fax this completed form to:**

**NJDEP Radon Program, P. O. Box 415, Trenton, NJ 08625**

**Fax: 609-984-5595.**

**(Questions? Call the Radon Program at 1-800-648-0394.)**