

TEACHER'S NOTES 5**WHERE IS RADON FOUND IN NEW JERSEY?****BACKGROUND**

In this activity, students will make decisions regarding how to approach the problem of identifying homes with high levels of 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.

WARM-UP

Prior to beginning *Where is Radon Found in New Jersey?*, have students look at a New Jersey road map to review legend, scale, and compass directions. See Resources, Equipment and Materials.

TEACHING TIPS

Students may not be familiar with the various map types. It is recommended that you review various types of maps, scales, and map symbols.

MINIMUM RECOMMENDED TIME ALLOCATION

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

LEARNING PROCESS SKILLS

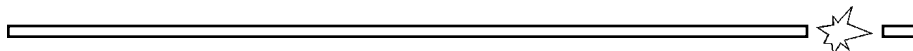
<u>Science</u>	<u>Math</u>	<u>Social Studies</u>	<u>Social or Group</u>
Inferring Applying	Verifying Analyzing	Judging information related to a problem	Collaborating with others

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.

EXTENDED ACTIVITIES

1. Have students create a map for their local neighborhood that includes a compass rose, scale, and legend.
2. Have students create a thematic map that depicts the soil associations in their neighborhood.





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

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:

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.)