

INVESTIGATION 6	How might radon affect me?
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 Name _____

Make your prediction

1. How many liters of air do your lungs hold?
 _____ (liters)

2. How many liters of air do your teacher's lungs hold?
 _____ (liters)

Enter lung data

Student	Trial 1	Trial 2	Trial 3	Mean

3. What is your lung capacity? _____ (liters)

4. Did this amount surprise you? _____ EXPLAIN:

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Think about radon and your lungs

One disease of the respiratory system is lung cancer. Lung cancer has several causes including excessive exposure to radon.

The average person breathes about 15 liters of air each minute. When radon levels are 4 picocuries per liter of air (4 pCi/l) you are breathing almost 60 members of the radon family each minute. Federal and state officials recommend that you do something about radon in your home if radon levels are above 4 pCi/l.

If the average person breathes in 15 liters of air each minute, how many members of the radon family will he or she breathe in at 4 picocuries per liter of air (4 pCi/l) after:

- 1 hour? _____
- 1 day? _____
- 1 month? _____
- 1 year? _____
- 10 years? _____

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Try this question

What advice would you give to someone if they were concerned about radon gas in their home?



Notes