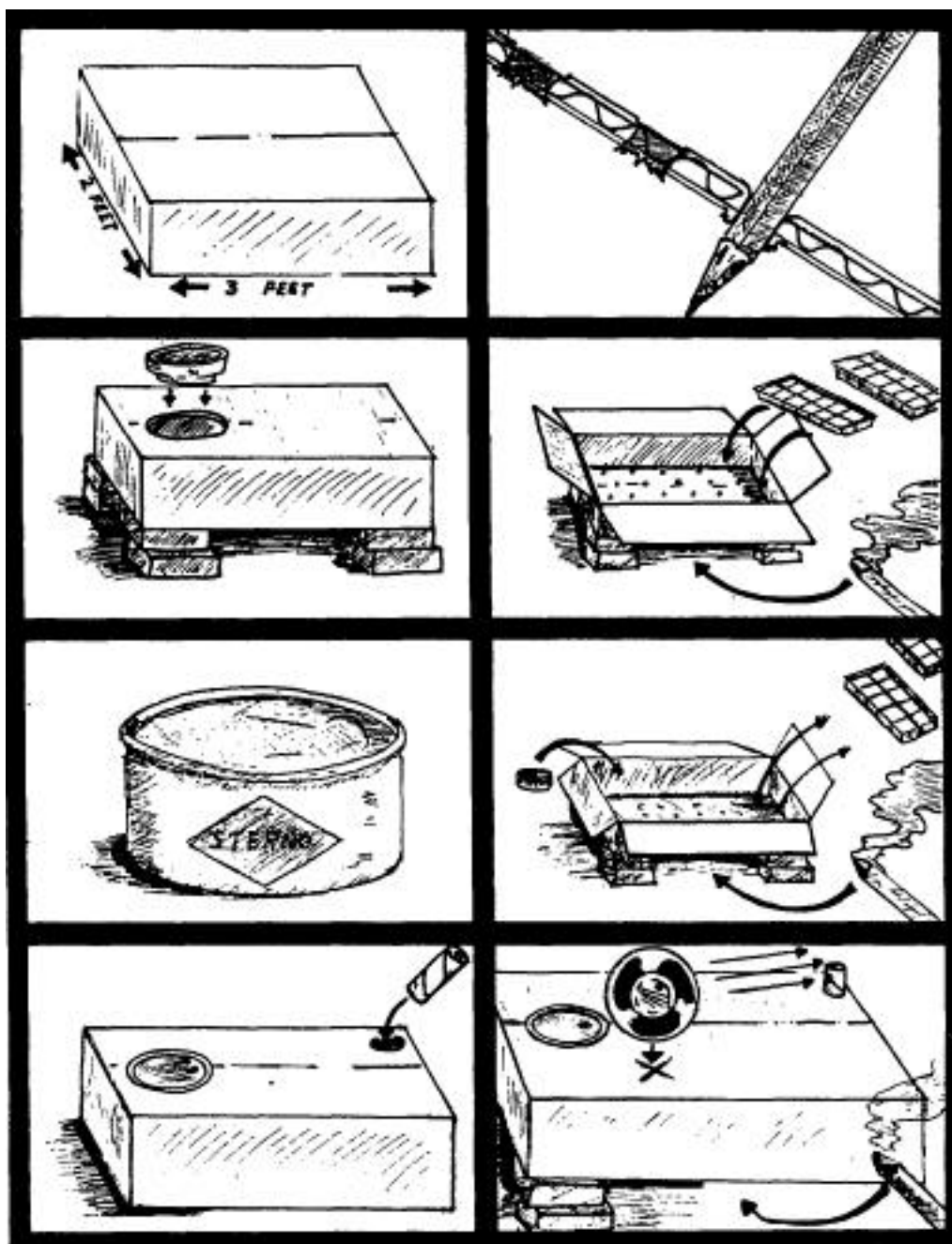


INVESTIGATION 9

Can the radon problem be fixed?

Name _____

Follow these instructions



Step 1

Step 2

Step 3

Step 4

INVESTIGATION 9

Can the radon problem be fixed?

Name

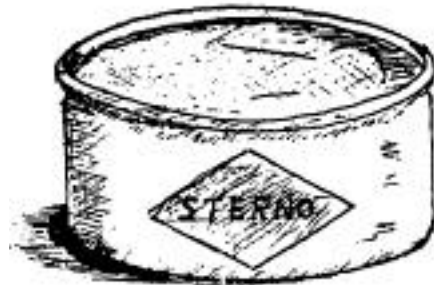
Air flow and radon

1. Place two trays of ice cubes in the box.
2. Light the punk.
3. Place punk underneath box.



What happened?

1. Place the Sterno® in the box.
2. Light the punk.
3. Place punk underneath box.



What happened?

INVESTIGATION 9

Can the radon problem be fixed?

1. Cut a hole in the top of the box
2. Insert an empty toilet paper roll.
3. Turn on a fan on top of the box.
4. Light the punk.
5. Place punk underneath box.



What happened?

Think it over

1. Under what conditions was the smoke alarm activated? _____

2. Why do you think this happened? _____

3. Radon is an odorless, colorless gas. It seeps into your home just like the smoke in the smoke experiment. Did more smoke enter the cardboard box with the ice cubes, the Sterno® or the fan?

4. Why do you think this happened? _____

INVESTIGATION 9	Can the radon problem be fixed?
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Name

Design a solution

1. What modifications did you make to reduce or remove the smoke from entering your cardboard house?

2. What modifications did you make to remove the smoke that was already in your cardboard home?

Did you know?

There are different ways to mitigate or fix the radon problem in a home. The first thing that has to be done is seal any cracks or holes in the walls and floors to keep the radon from entering the house.

If the radon problem in a house is not too bad, one simple way to get it out is to just open the doors and windows of the house and let the wind blow the radon out the windows. In cold weather this could let the heat out. If you don't have screens on the windows, bugs or wild animals, like squirrels can get in. There may be other possible problems with just leaving windows open. Can you list them?