

## Try This

# Windows with a secret

*Some windows, called "thermal windows," help keep a house warm in winter and cool in summer; with this simple tool you can tell whether a window is thermal or not:*

## You'll need

- Small flashlight
- Masking or black tape
- Sharp pencil



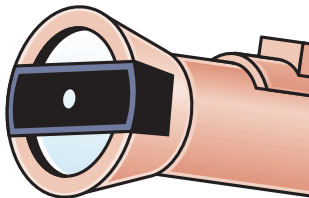
2

Stand next to a home or school or store window and shine light at it



1

Make hole in tape with pencil and put it over front of flashlight



3

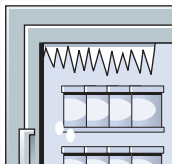
Look at the reflection

Do you see one or two dots of light?

Do this to several windows and notice the reflections

4

Go to a grocery store and test the windows of a frozen food case

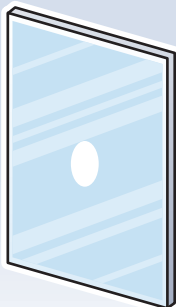


## What happened?

An ordinary window is made with one piece of glass

Heat passes fairly easily through it

**If you see one dot of reflected light, it's a regular window**



Thermal windows have two pieces

Heat has trouble passing through the space between them

Some also have a special gas in the space to block heat

**If you see two dots, it's a thermal window; each piece of glass reflects light**

