

# Lab

# KIDZ

Sixth Grade



## 4. Popcorn machine

**Topic:** Heat conductors.

**Objective:** The student will learn through this experiment how aluminum is one of the best heat conductors and can pass the greatest amount of heat, as well as reaching a high point of heat by cooking popcorn.

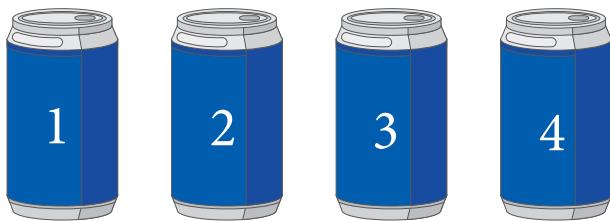
**Vocabulary:** heat conductor, reach, upper

### Material:

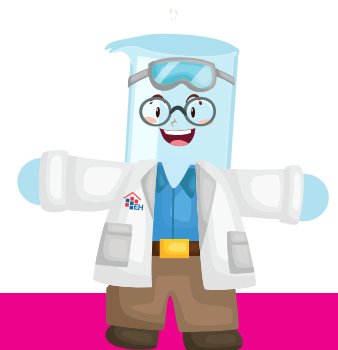
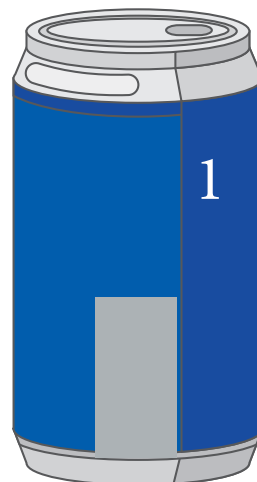
- 4 soda cans
- A cutter or scissors
- Tape
- Marker
- Popcorn
- Kitchen oil
- Water sandpaper
- A plate
- A candle
- Some matches

### Development:

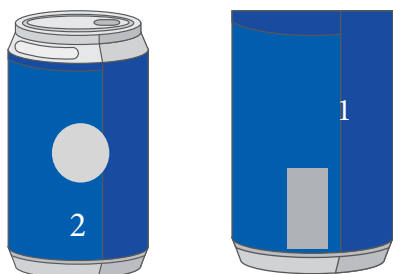
1. Mark the cans with a number.



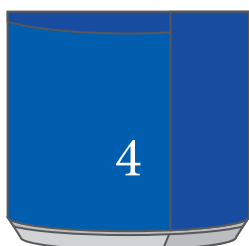
2. In the can number 1 mark a small door in the lower part and cut out. Remove the superior part of the can (where the line is marked).



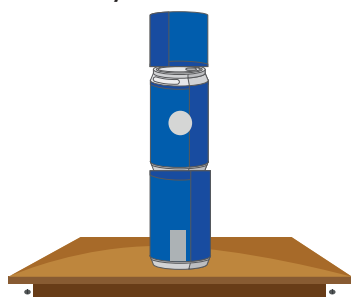
3. Using a can draw a circle on can number 2 (in the middle of the can) and cut out.



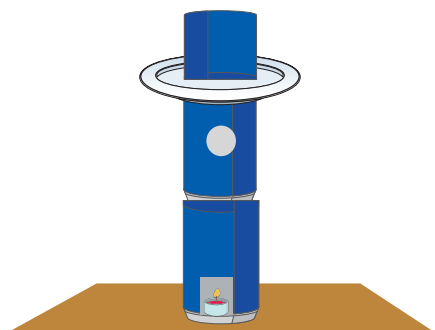
5. Cut the can number 4 in half.



7. Place the top of the can number 3 in the circular hole of the can number 2 (if necessary, fix it with adhesive tape).



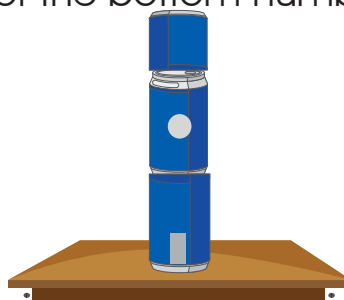
9. Place the candle in the little door of the can number 1 and light it.



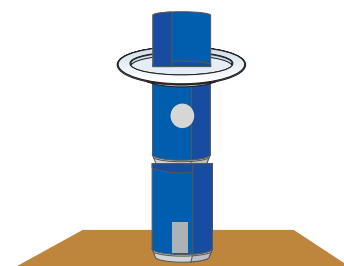
4. Sand the top of the can number 3 and remove the part where the upper hole is located and remove the bottom part (base of the can).



6. Place the number 1 can on the base, on it, place the number 2 can and on this half of the bottom number 4.



8. Place a plate under the hole of the can number 3.



10. Remove the can number 4 and in the hole add three caps of vegetable oil and some corn, wait and write down what you observed (you can eat the popcorn).



## Tell us...

Read the descriptions and write the word for each.

### EXAMPLE

0 Object used for writing, commonly made of wood.

### ANSWER

p e n c i l

1 Item used cutting paper, cardboard, cloths, etc.

s \_ \_ \_ \_ \_

2 Object used for writing on a whiteboard, can be found in many colours.

m \_ \_ \_ \_

3 This is used to put things together without glue.

t \_ \_ \_

4 Students use this to carry their things to school. It's used on the back and they have many styles, designs, colours, etc.

b \_ \_ \_ \_ \_

5 Here is where the teacher writes so everyone can see during the class, it's big and usually hung on the wall.

b \_ \_ \_ \_

**Stick a picture of your process  
or result!**

**Did you like it?**

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