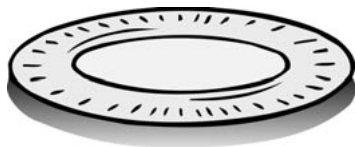


# Investigating Tooth Decay

## WHAT YOU NEED



paper plate



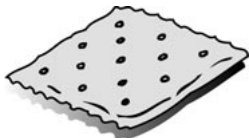
small jar



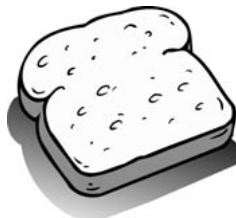
tape



eggshell



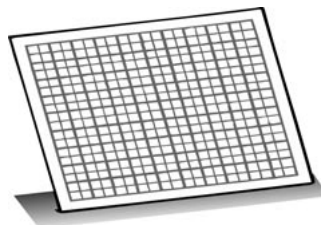
crackers



bread



goggles



graph paper



vinegar

### Find Out

Do this activity to see how tooth decay affects teeth.

### Process Skills

**Observing**  
**Communicating**  
**Predicting**

### Time

- 30 minutes to get started
- two weeks of observation



# WHAT TO DO

1. Place a cracker on the paper plate. Add vinegar.



**Do not eat or touch the cracker.**

2. **Observe** what happens.
3. Put an eggshell in the jar. Pour a small amount of vinegar into the jar. Half of the eggshell should

be covered in vinegar. Put a small piece of bread in the jar.



**Do not eat or touch any of the substances in the jar.**

4. **Draw** a picture of the eggshell on the graph paper. Based on what happened to the cracker, **predict** what will happen to the eggshell.
5. **Observe** the eggshell every day for two weeks. **Record** what happens in the chart and **color** in squares of the graph paper to show holes in the egg.
6. Compare your picture with others.





# Conclusions

1. How is the eggshell like a tooth?

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2. How did the eggshell change? How can teeth change if they are not cared for?

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# New Questions

1. How could you have stopped the changes in the eggshell?

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2. Write a new question you have about tooth decay.

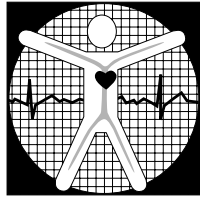
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Name \_\_\_\_\_



# ACTIVITY

## Using Teeth to Speak

**Write** your group's flash card letter(s).

\_\_\_\_\_

**Write** a list of words that use your letter(s).

Word List:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Name \_\_\_\_\_

## What Happened

① When could you speak your words clearly?

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② When couldn't you? Why not?

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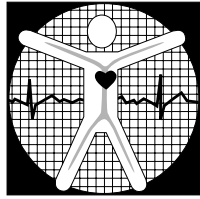
## What If

Name some words made up of sounds that don't use teeth. Hint: Babies say them!

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Name \_\_\_\_\_

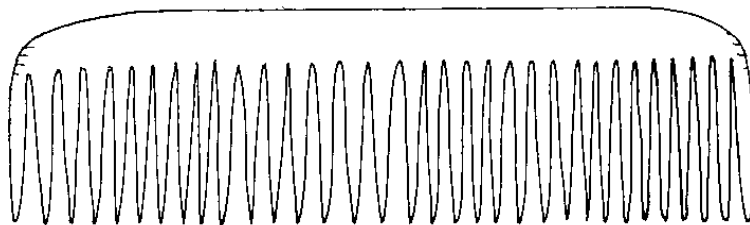


# ACTIVITY

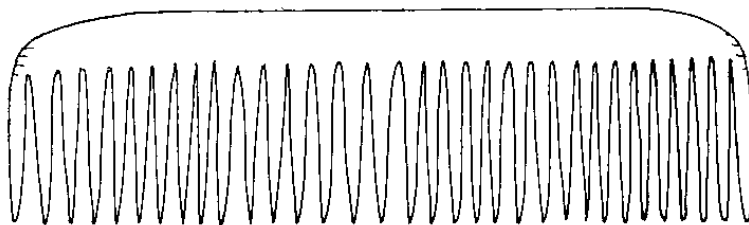
## Flossing Teeth

Show how the cream cheese looked on the comb at first.

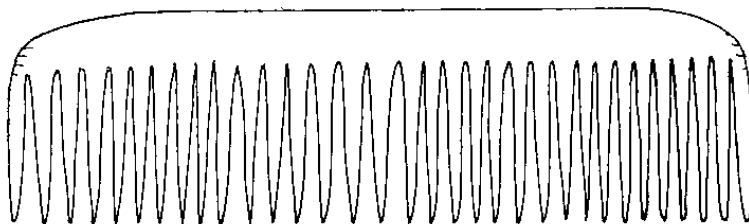
Use a crayon to **draw** the cream cheese on the comb.



Show how the comb looked after you used the paper towel.



Show how the comb looked after you used the yarn.



**Activity Journal**

**Lesson 2 • Taking Care of Your Teeth**

Name \_\_\_\_\_

**What Happened**

① Did the paper towel clean all the cream cheese from the comb?

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② How did the yarn help clean the comb?

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**What If**

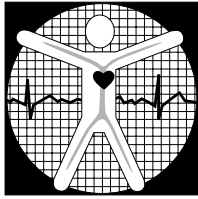
How is this activity like brushing and flossing your teeth?

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Name \_\_\_\_\_



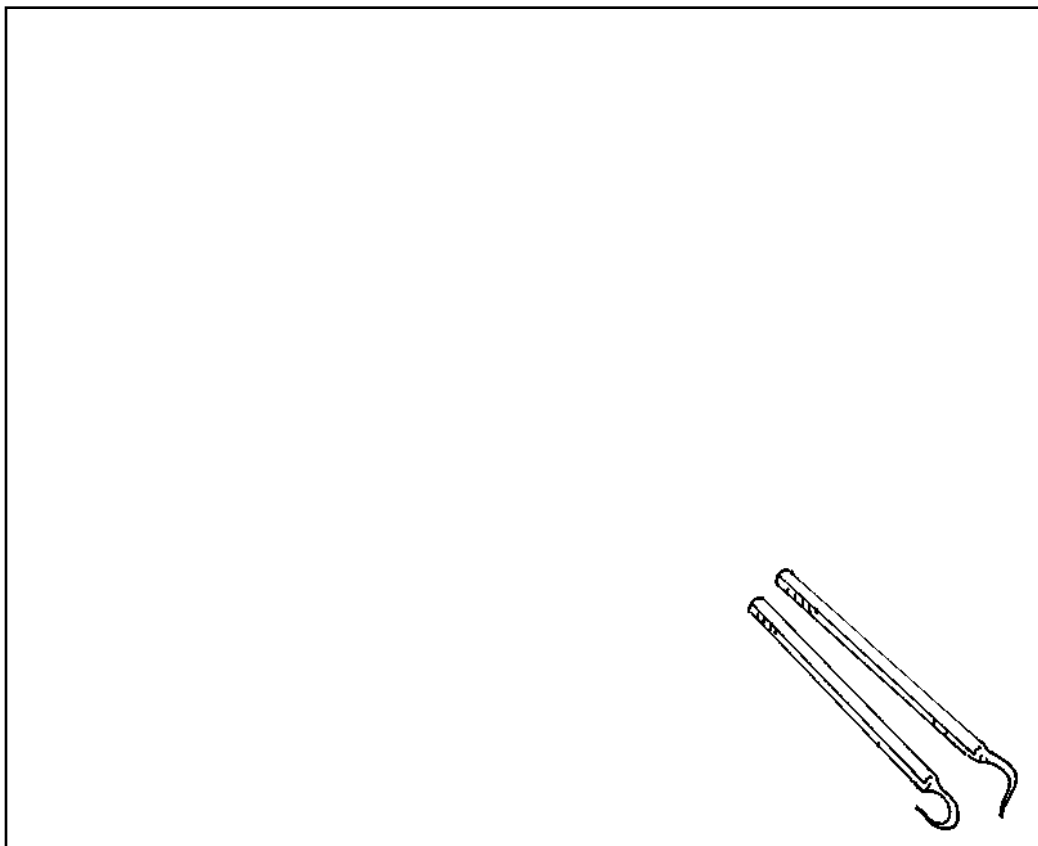
# ACTIVITY

## Fixing Teeth with Fillings

**Draw** the tooth you made.

**Draw** a cavity in the tooth.

**Color** in the cavity with a yellow crayon.



**Activity Journal**

**Lesson 3 • Going to the Dentist**

Name \_\_\_\_\_

**What Happened**

① Why was the yellow clay put in the hole?

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② How was this activity like a dentist fixing a cavity?

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**What If**

What would happen if the hole in the tooth got bigger and bigger?

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