

Quick Prize winning Science Fair Project



Dear Parents,
IT'S SCIENCE FAIR TIME!
As a class we will be exploring what effect different liquids have on our teeth. This experiment will take about a week.

EXPERIMENT MATERIALS
How does what we drink affect our teeth?
First we will take egg shells to represent our teeth. We will soak the egg shells in different liquids and see what happens over 2 days. We will write down our data each day.

Variables
Changes in experiment
Soda, Coffee, Water, Punch

Controls
Stays the same in experiment
Eggs

Conclusion:
Soda has acid in it that eats away at your teeth and leaves a nasty stain. Coffee and some juices can also stain your teeth. Water and milk are a good choice and help protect my teeth!
We must make sure that we are protecting our teeth by brushing at least twice a day. This will prevent our teeth from getting hurt.

What effect does
soda, coffee, and
tea have on our
teeth?

Everything
you need.

Quick Prize winning Science Fair Project



Dear Parents,
IT'S SCIENCE FAIR TIME!

As a class we will be exploring what effects soda, and other liquids we drink, have on our teeth.

This experiment will take about a week to complete. Throughout the process we will be using the scientific method.

The Scientific Method steps include:
Ask a question, create a hypothesis, test your hypothesis, analyze your data, and share your results.

You can help at home by asking your students about their experiment in the classroom.

We will be using eggs to represent our teeth and observing what happens to those egg shells as they are exposed to the different liquids.

Thank you!

Don't miss the SCIENCE FAIR!

Name: _____ Date: _____

Day: _____

Time: _____

Location: _____

Name: _____ Date: _____

EXPERIMENT MATERIALS

Does what we drink effect our teeth?

We will take egg shells to represent our teeth. We will soak the egg shells in different liquids to see what happens over 2 days. We will write our data each day.

Do you need:

I will begin our experiment?

Experiment Materials

Name: _____ Date: _____

My Hypothesis

Draw a picture of what the teeth will look like after drinking one of these liquids.

Circle One: Milk, Water, Fruit Punch, Coffee, Soda

I think that will make my teeth _____

Name: _____ Date: _____

Results

Illustrate how these liquids and coffee effect your teeth.

Water, Soda, Milk, Coffee, Fruit Punch

I should drink more _____

How do you know? _____

How can you keep your teeth clean? _____

Parent Letter

Conclusion:

Soda has acid in it that eats away at your teeth and leaves a nasty stain. Coffee and some juices can also stain your teeth. Water and milk are a good choice and help protect my teeth!

We must make sure that we are protecting our teeth by brushing at least twice a day. This will prevent my teeth from becoming unhealthy. The dentist will help protect my teeth!

Experiment Data

	Day One	Day Two	Day Three
Milk			

Variables

Changes in experiment

Coffee, Water, Milk

Controls

Stays the same in experiment

Egg

Day Three COFFEE

Day Four COFFEE

Day One DAY TWO MILK

Day Four FRUIT PUNCH

Title/labels for board

Step one: ASK A QUESTION

Step three: TEST YOUR HYPOTHESES

Step five: SHARE YOUR RESULTS

Step two: CREATE A

Step four: ANALYZE YOUR DATA

Step one: ASK A QUESTION

How

Step One: Ask a question

Step Two: Create a hypothesis

Step Three: Test your hypothesis

Step Four: Analyze your data

effect our teeth?



Dear Teachers,

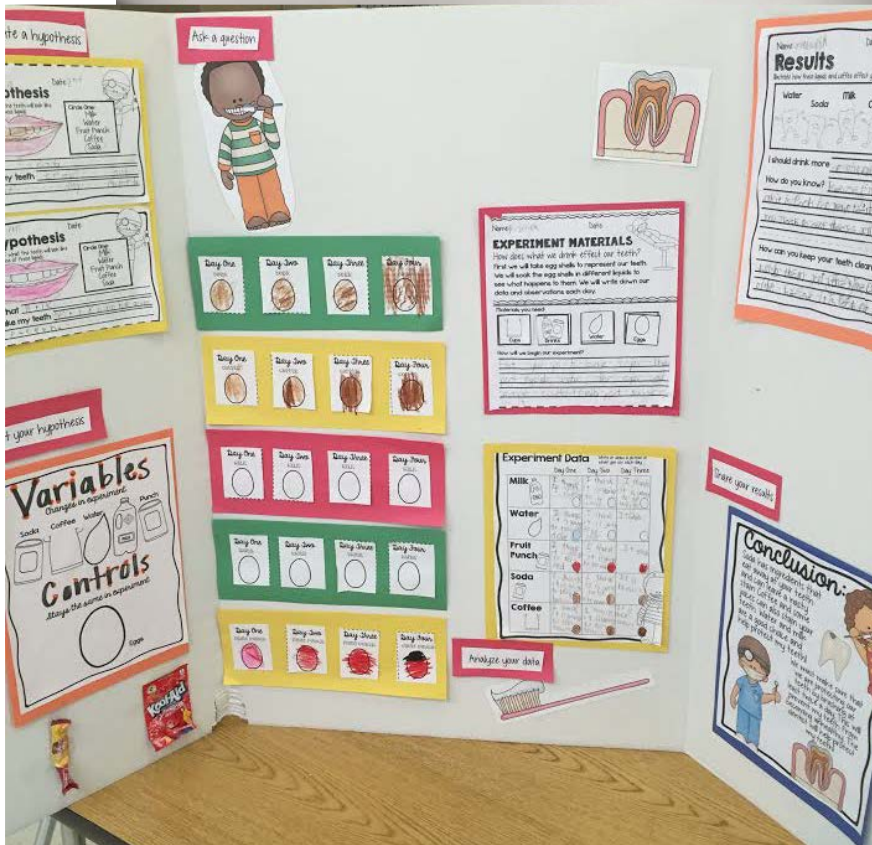
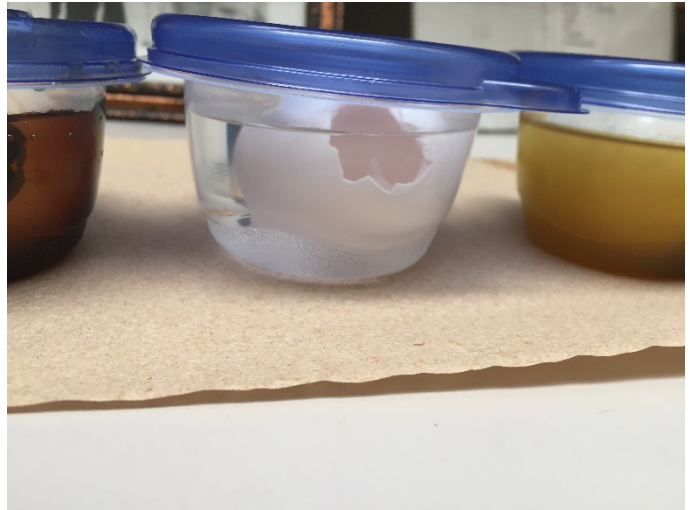
This is a quick and interesting science fair project good for elementary students. In this resource you will find all of the materials that you need throughout the project as well as the materials to make your tri fold board. There is also a parent letter and anchor charts for the scientific method included.

To begin- Hard boil a dozen eggs. 10 for the experiment and a couple extra just in case. You can also empty out the eggs and just use the shell if that is your preference. Have clear cups and the different liquids mentioned (water, soda, coffee, milk, fruit punch). The eggs will go in the cups with the liquid. 1 Egg per cup. You can observe the results for up to a week but can finish the experiment in 2 days depending on your time frame. After the eggs are in the liquid for a couple of days you can try to brush them off with a tooth brush showing the students the importance of brushing and keeping teeth clean.

If there is something that you believe is missing from this product please let me know and I will work on adding it for you.

Happy Science Fair! Hope this makes it just a little easier for you!

Pencils and Panthers.



Display Board
Without
Title



Dear Parents,

IT'S SCIENCE FAIR TIME!

As a class we will be exploring what affects soda, and other liquids we drink, have on our teeth.

This experiment will take about a week to complete. Throughout the process we will be using the scientific method.

The Scientific Method steps include:
Ask a question, create a hypothesis, test your hypothesis, analyze your data, and share your results.

You can help at home by asking your students about their experiment in the classroom.

We will be using eggs to represent our teeth and observing what happens to those egg shells as they are exposed to the different liquids.

Thank you!



Don't miss the **SCIENCE FAIR!**

Day:

Time:

Location:

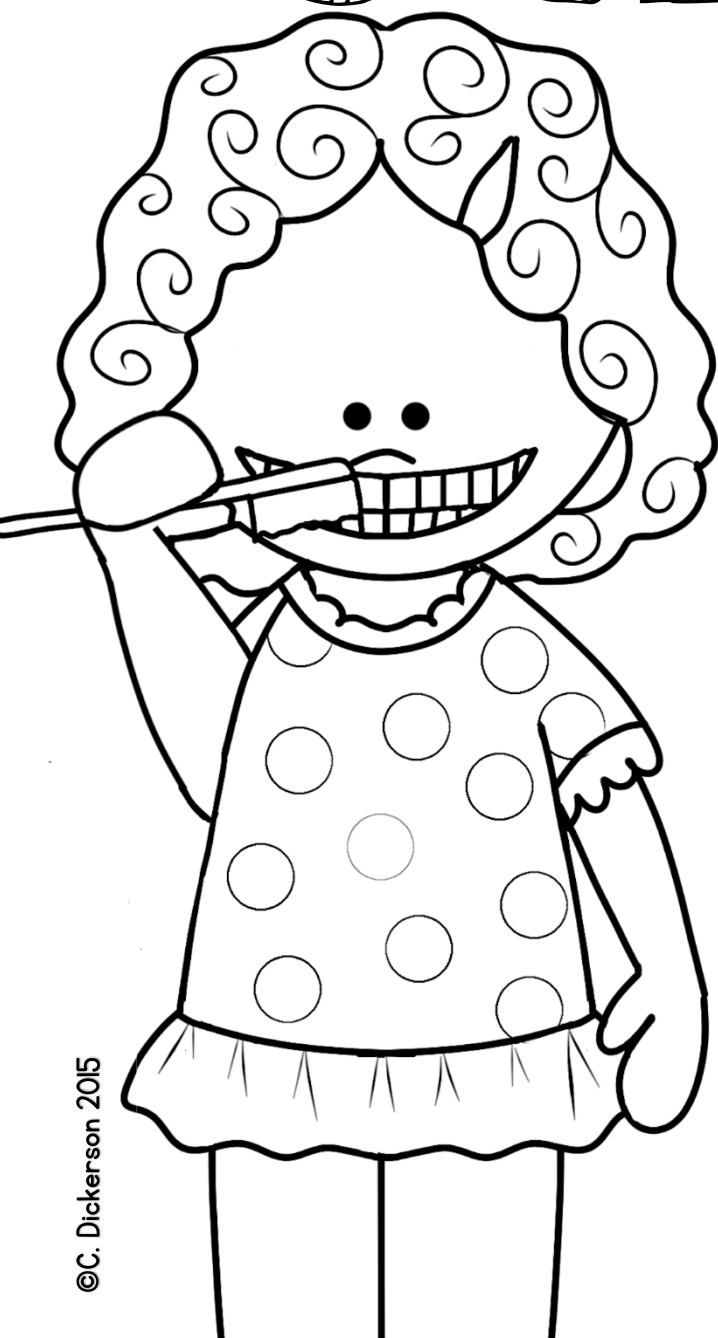




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SCIENCE FAIR

Project





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SCIENCE FAIR

Project

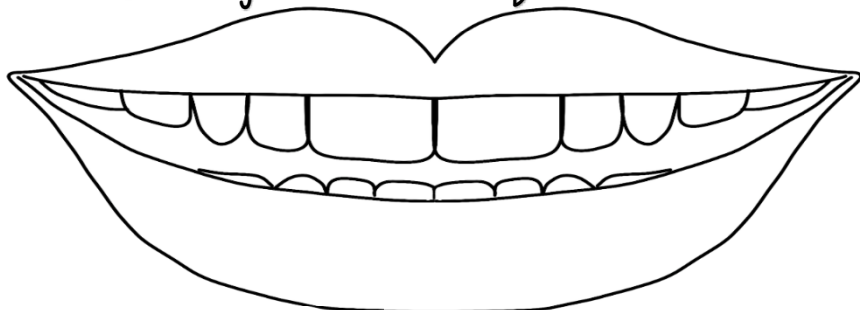


Name: _____

Date: _____

My Hypothesis

Draw a picture of what the teeth will look like after drinking one of these liquids.



Circle One:

Milk
Water
Fruit Punch
Coffee
Soda

I think that _____

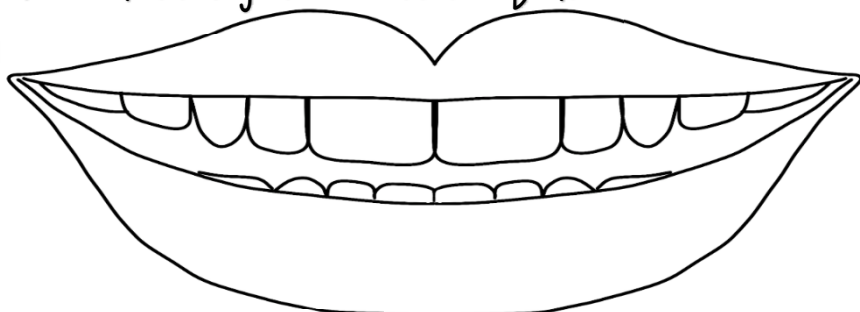
will make my teeth _____

Name: _____

Date: _____

My Hypothesis

Draw a picture of what the teeth will look like after drinking one of these liquids.



Circle One:

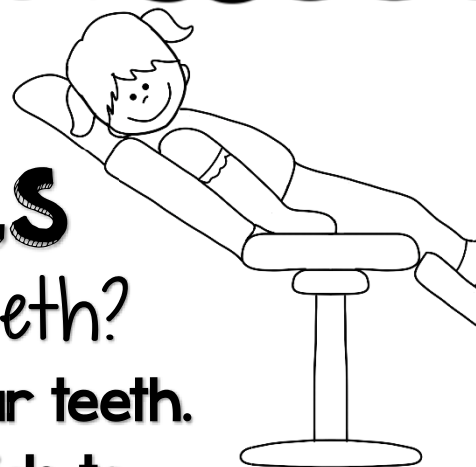
Milk
Water
Fruit Punch
Coffee
Soda

I think that _____

will make my teeth _____

Name:

Date:



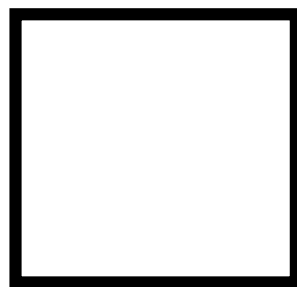
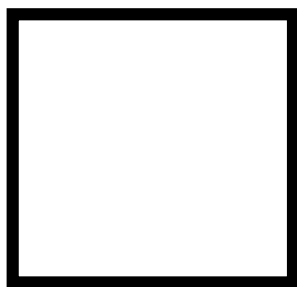
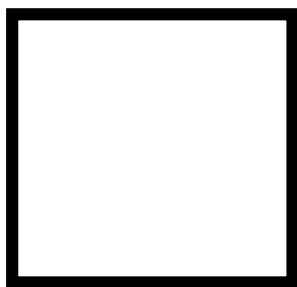
EXPERIMENT MATERIALS

How does what we drink affect our teeth?

First we will take egg shells to represent our teeth.

We will soak the egg shells in different liquids to see what happens to them. We will write down our data and observations each day.

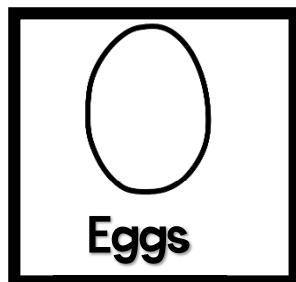
Materials you need:



How will we begin our experiment?

Three sets of horizontal lines for writing, each consisting of a solid top line, a dashed middle line, and a solid bottom line.

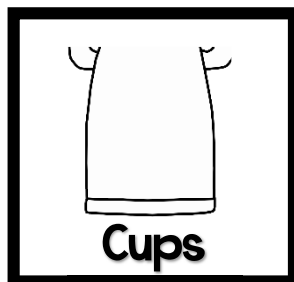
© C. Dickerson 2015



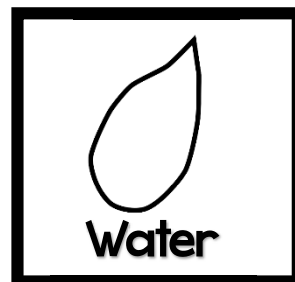
Eggs



Drinks



Cups



Water

Name:

Date:


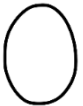
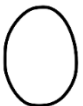
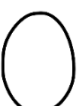












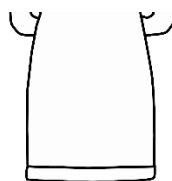



Experiment Data

Write or draw a picture of what you see each day.

Day One

Day Two

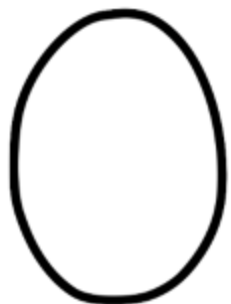
Day Three

Milk 			
Water 			
Fruit Punch 			
Soda 			
Coffee 			



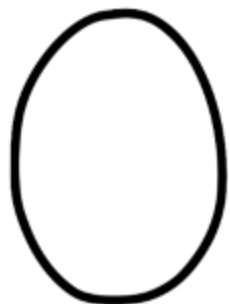
Day One

COFFEE



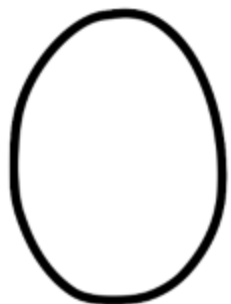
Day Two

COFFEE



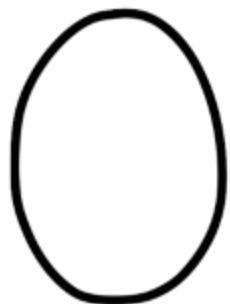
Day One

WATER



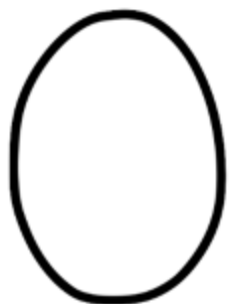
Day Two

WATER



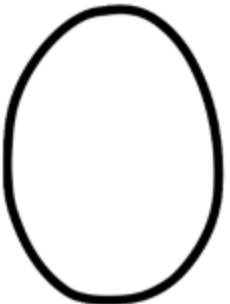
Day Three

COFFEE



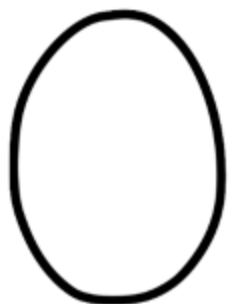
Day Four

COFFEE



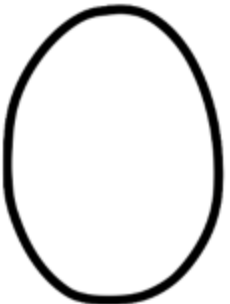
Day Three

WATER



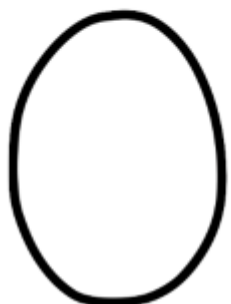
Day Four

WATER



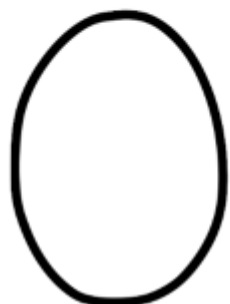
Day One

MILK



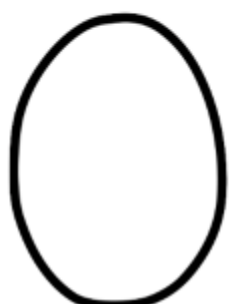
Day Two

MILK



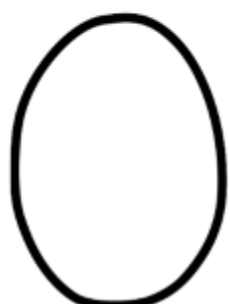
Day One

SODA



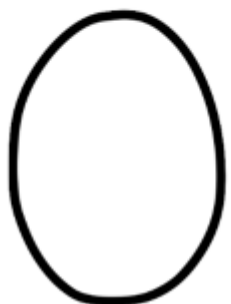
Day Two

SODA



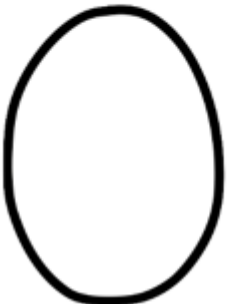
Day Three

MILK



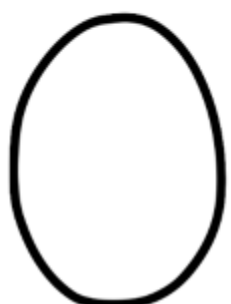
Day Four

MILK



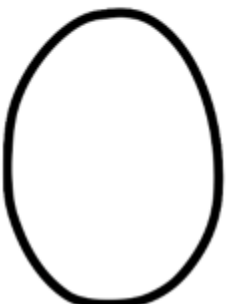
Day Three

SODA

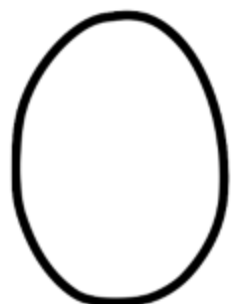


Day Four

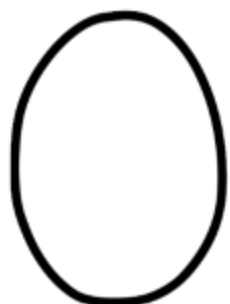
SODA



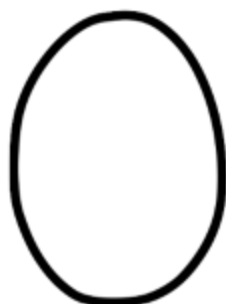
Day One
FRUIT PUNCH



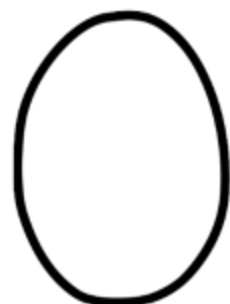
Day Two
FRUIT PUNCH



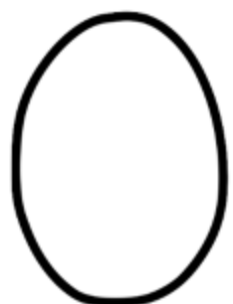
Day One
VINEGAR



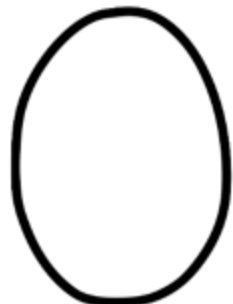
Day Two
VINEGAR



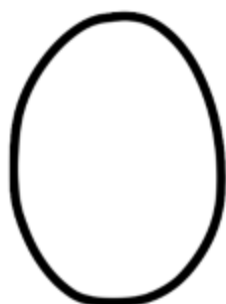
Day Three
FRUIT PUNCH



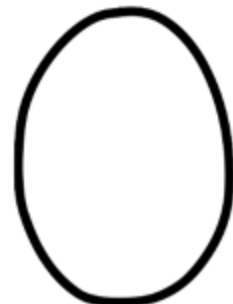
Day Four
FRUIT PUNCH



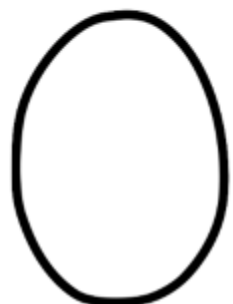
Day Three
VINEGAR



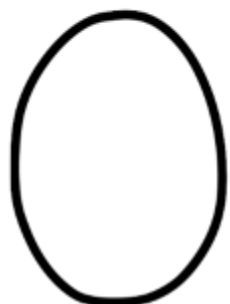
Day Four
VINEGAR



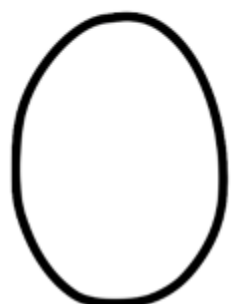
Day One
JUICE



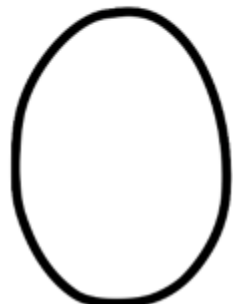
Day Two
JUICE



Day Three
JUICE

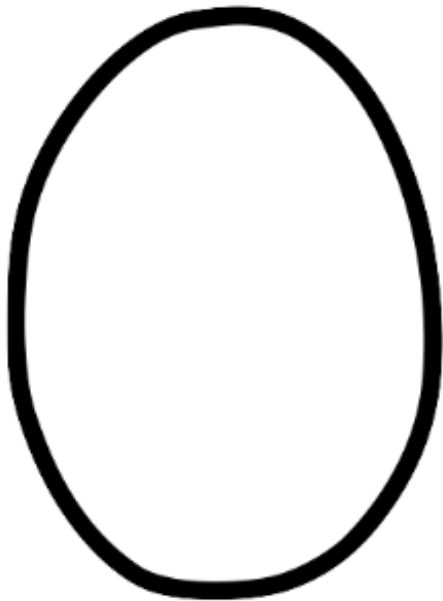


Day Four
JUICE



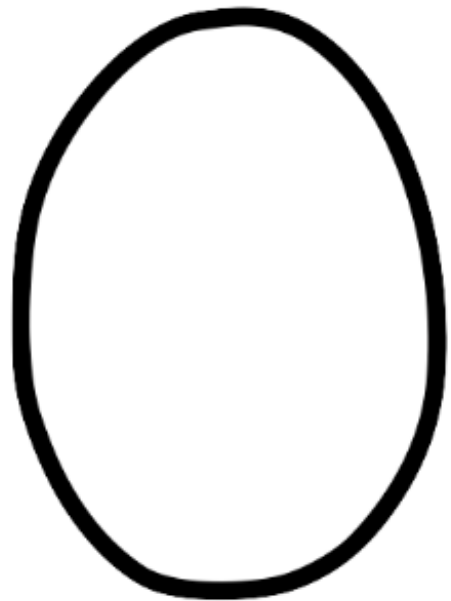
Day One

COFFEE



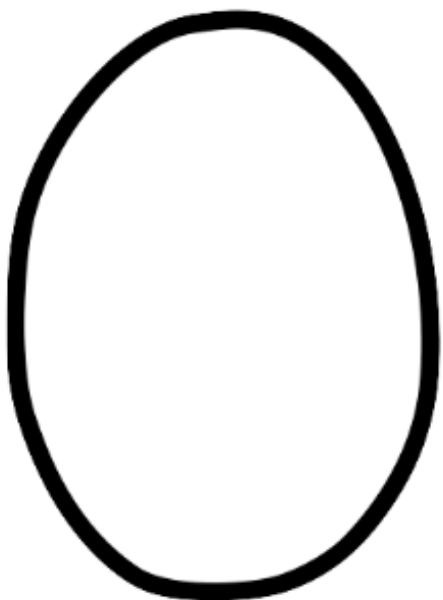
Day Two

COFFEE



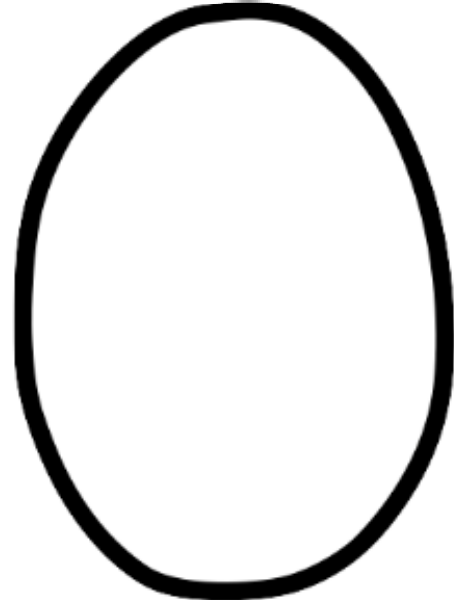
Day Three

COFFEE



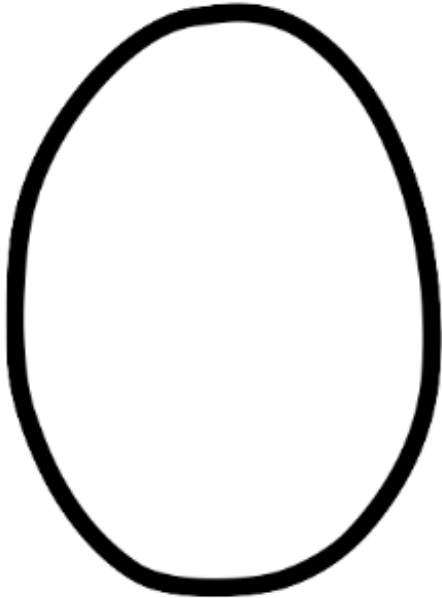
Day Four

COFFEE



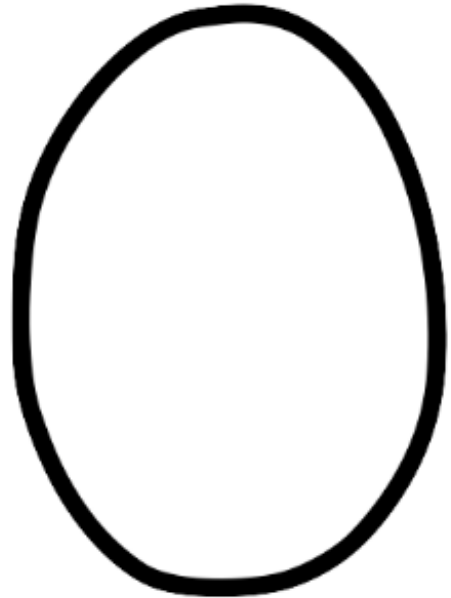
Day One

WATER



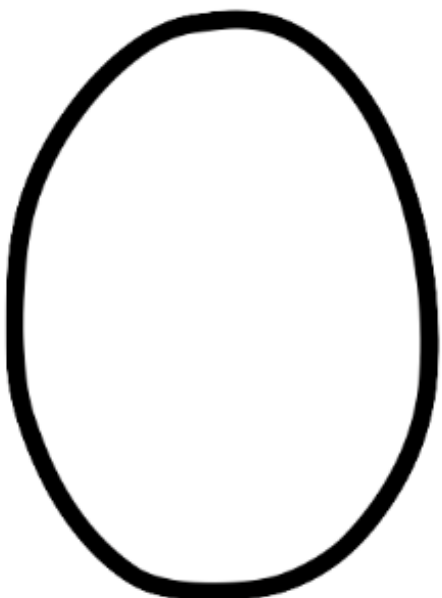
Day Two

WATER



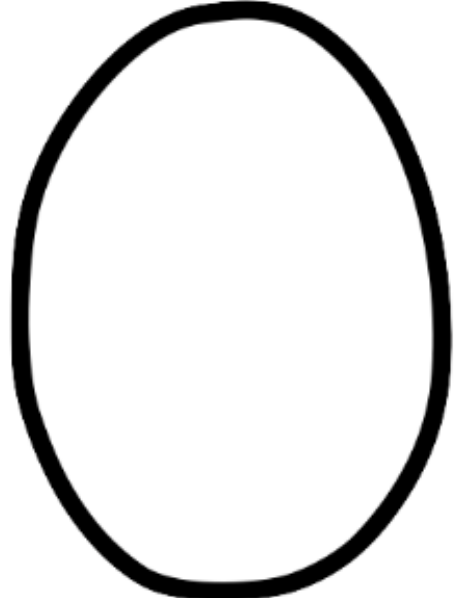
Day Three

WATER



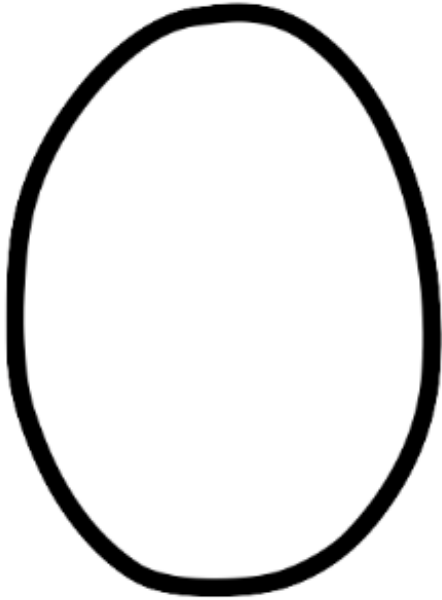
Day Four

WATER



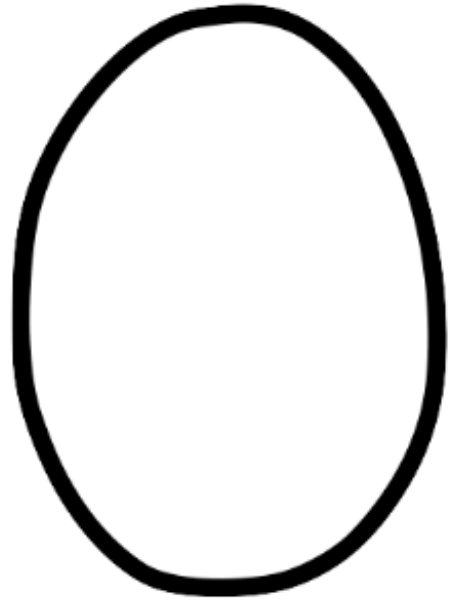
Day One

MILK



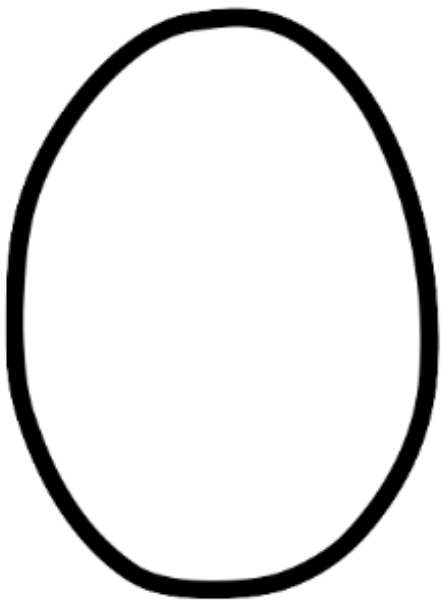
Day Two

MILK



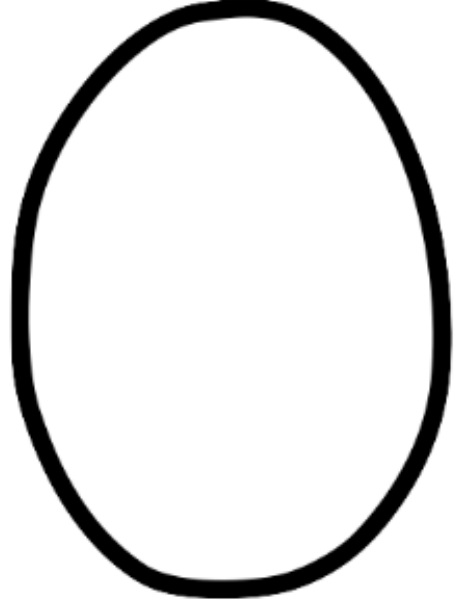
Day Three

MILK



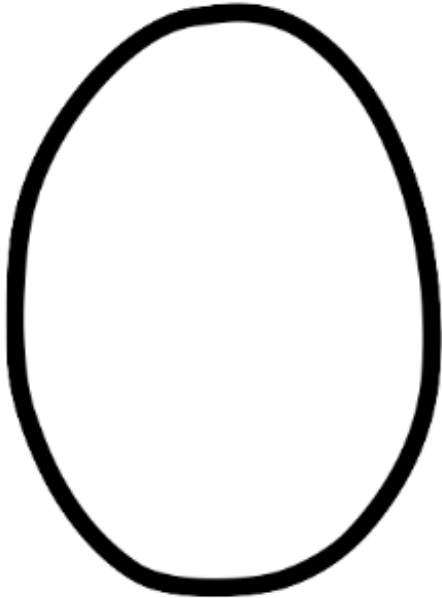
Day Four

MILK



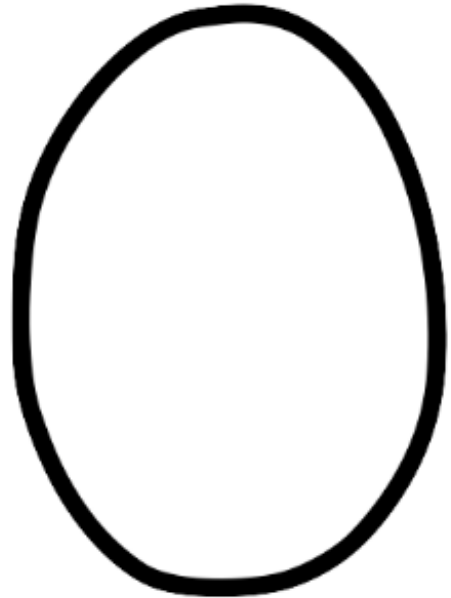
Day One

SODA



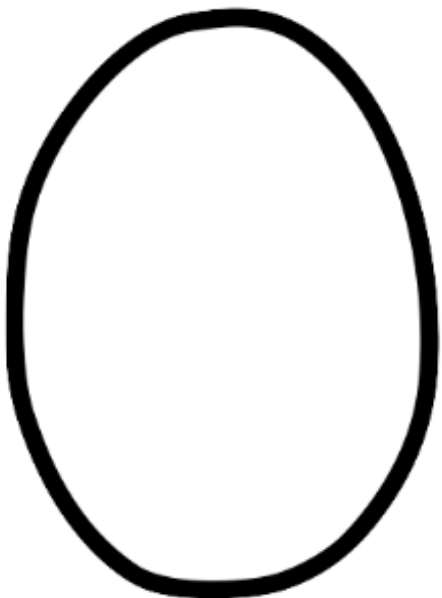
Day Two

SODA



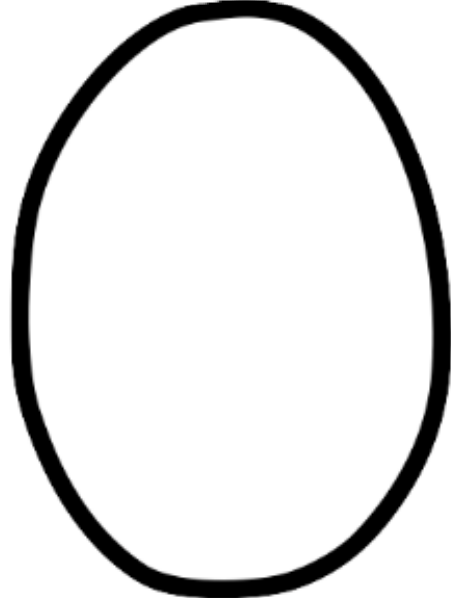
Day Three

SODA



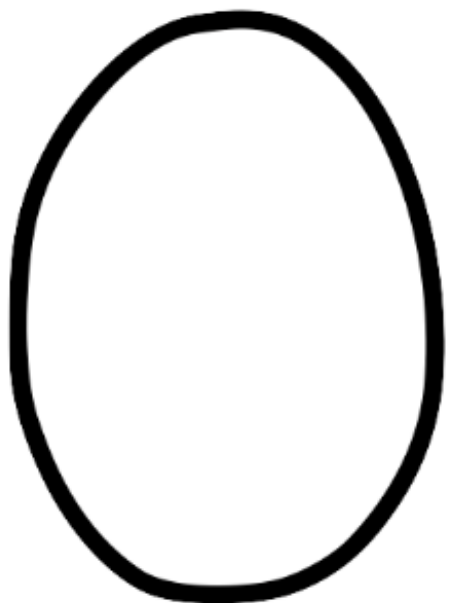
Day Four

SODA



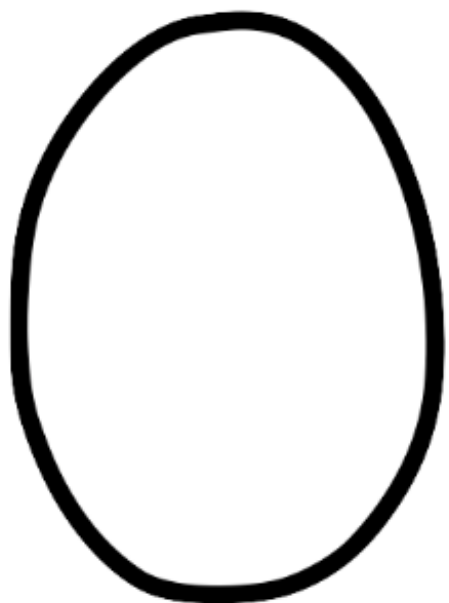
Day One

FRUIT PUNCH



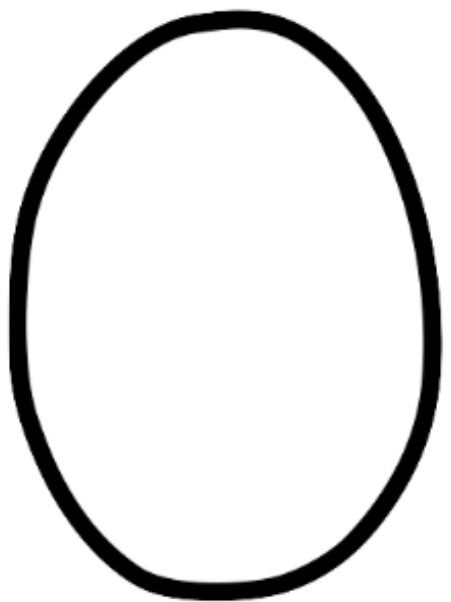
Day Two

FRUIT PUNCH



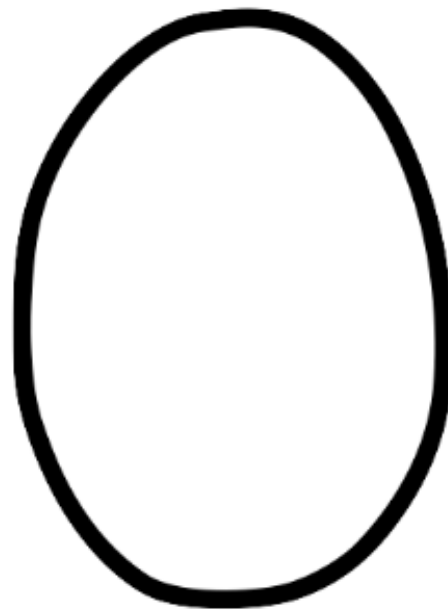
Day Three

FRUIT PUNCH



Day Four

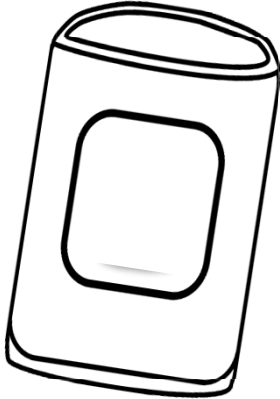
FRUIT PUNCH



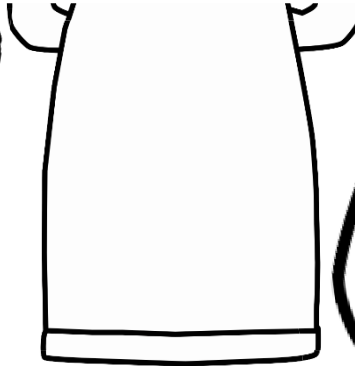
Variables

Changes in experiment

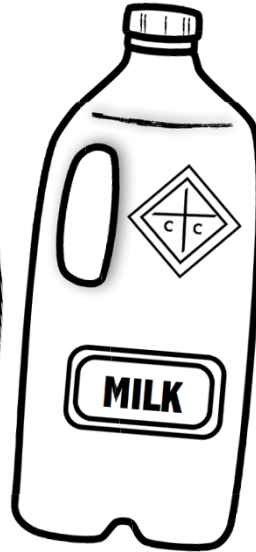
Soda



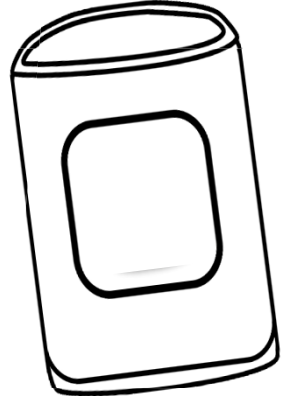
Coffee



Water

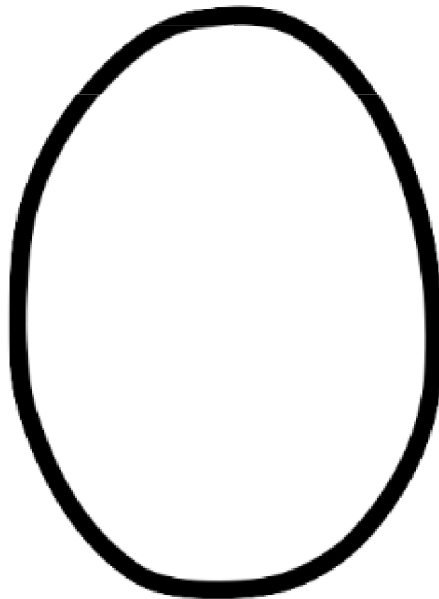


Punch



Controls

Stays the same in experiment



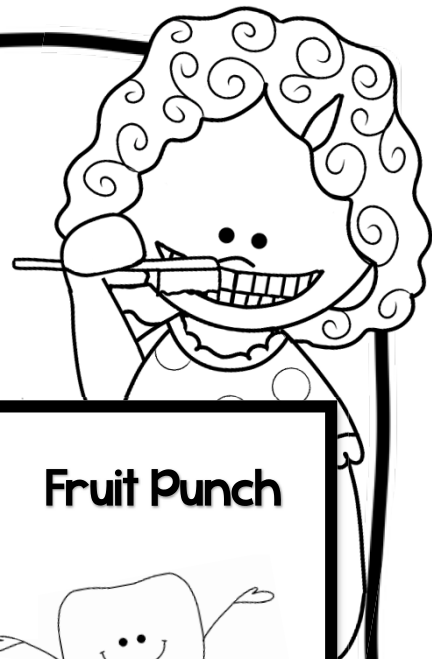
Eggs

Name: _____

Date: _____

Results

Illustrate how these liquids and coffee affect your teeth.



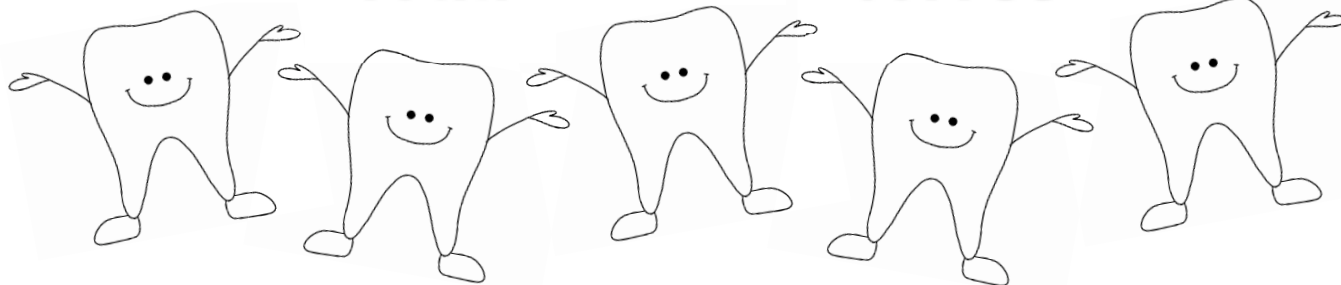
Water

Soda

Milk

Coffee

Fruit Punch



I should drink more _____

How do you know? _____

How can you keep your teeth clean? _____

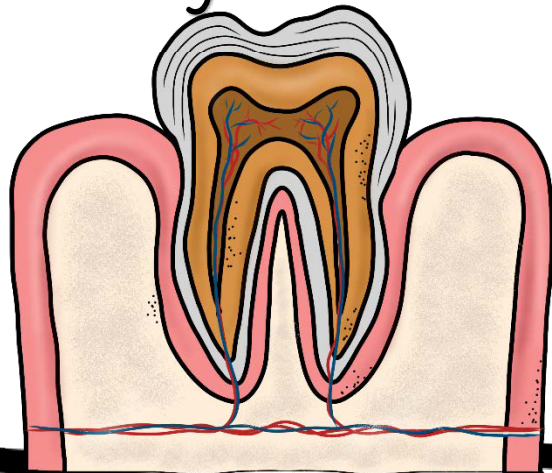
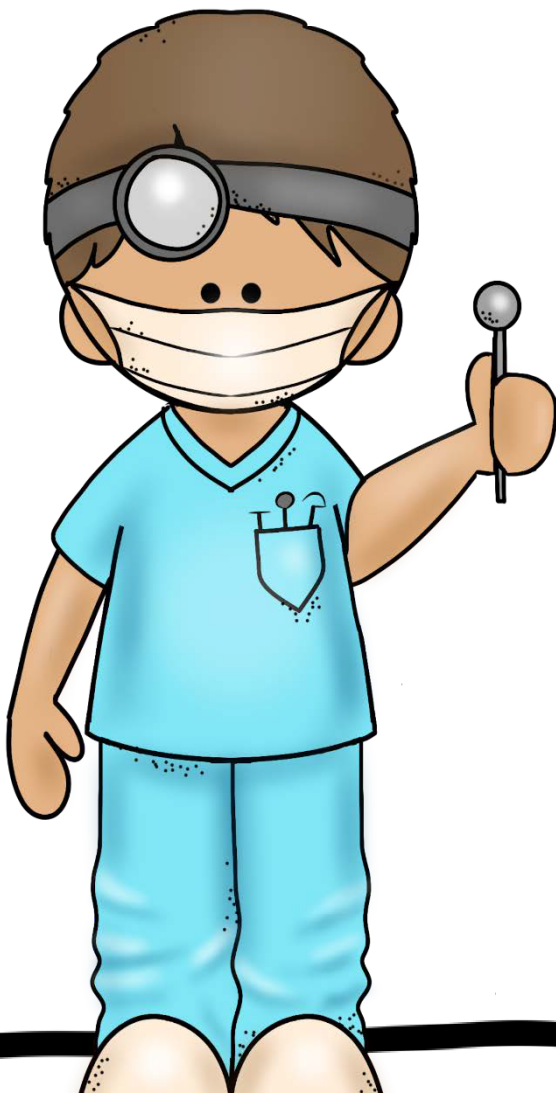


Conclusion:

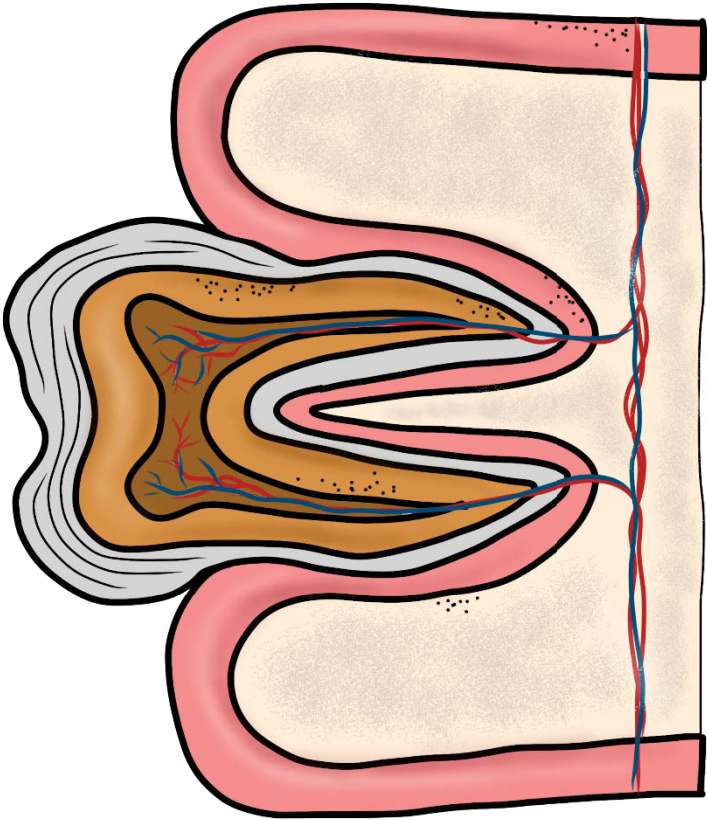
Soda has ingredients that eat away at your teeth and can leave a nasty stain. Coffee and some juices can also stain your teeth. Water and milk are a good choice and help protect my teeth!



We must make sure that we are protecting our teeth by brushing at least twice a day. This will prevent my teeth from becoming unhealthy. The dentist will help protect my teeth!



Title for board



How

does

we

and

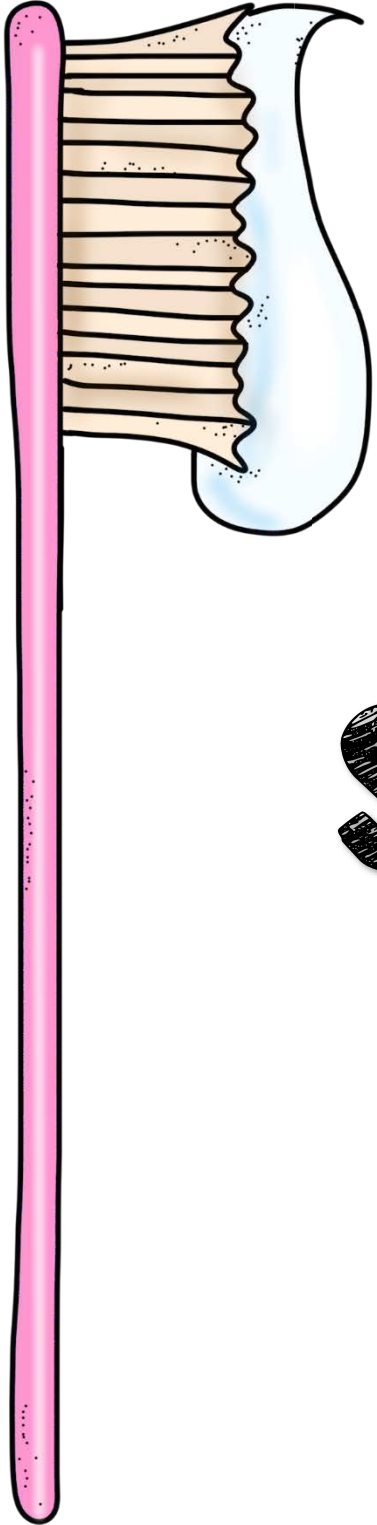
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Step One:

Ask a question

Step Two:

Create a hypothesis

Step Three:

Test your hypothesis

Step Four:

Analyze your data

Step Five:

Share your results

STEP ONE:

ASK A QUESTION

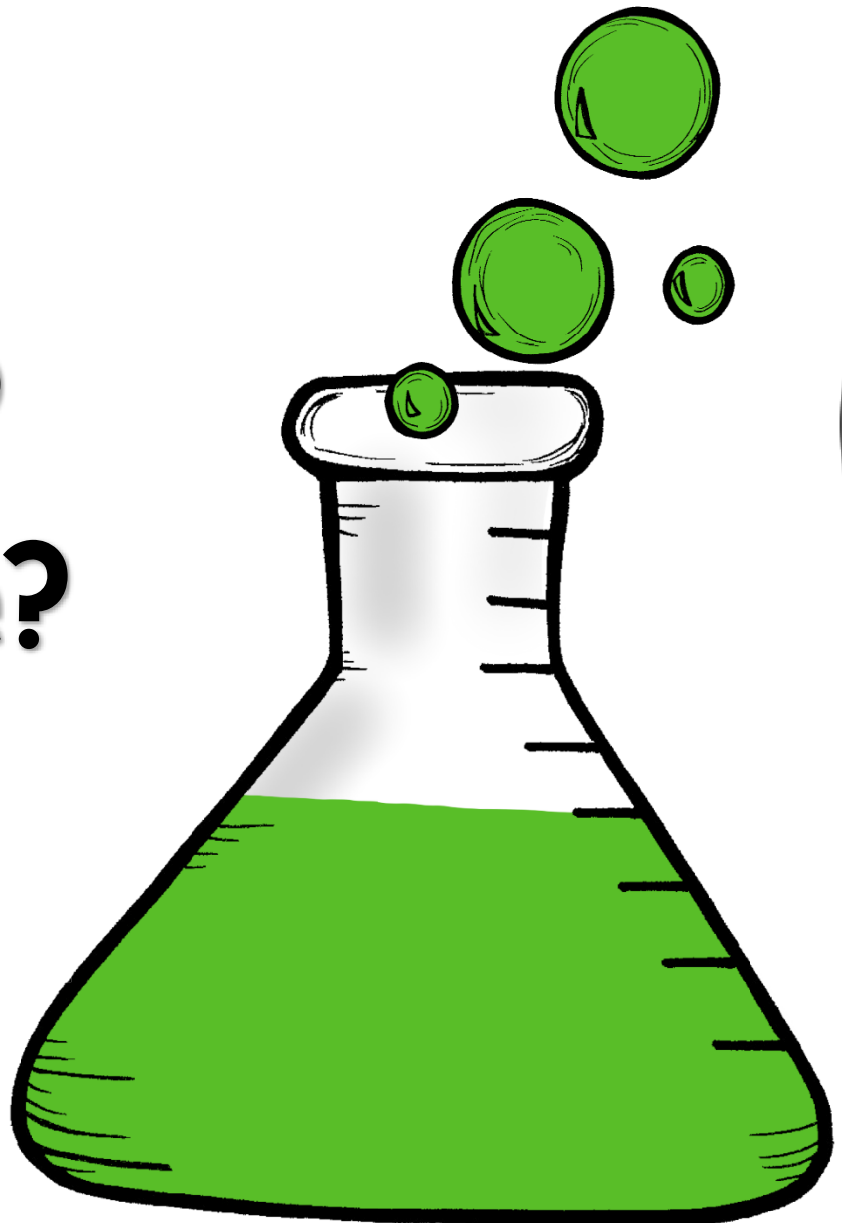
what?

when?

where?

why?

how?

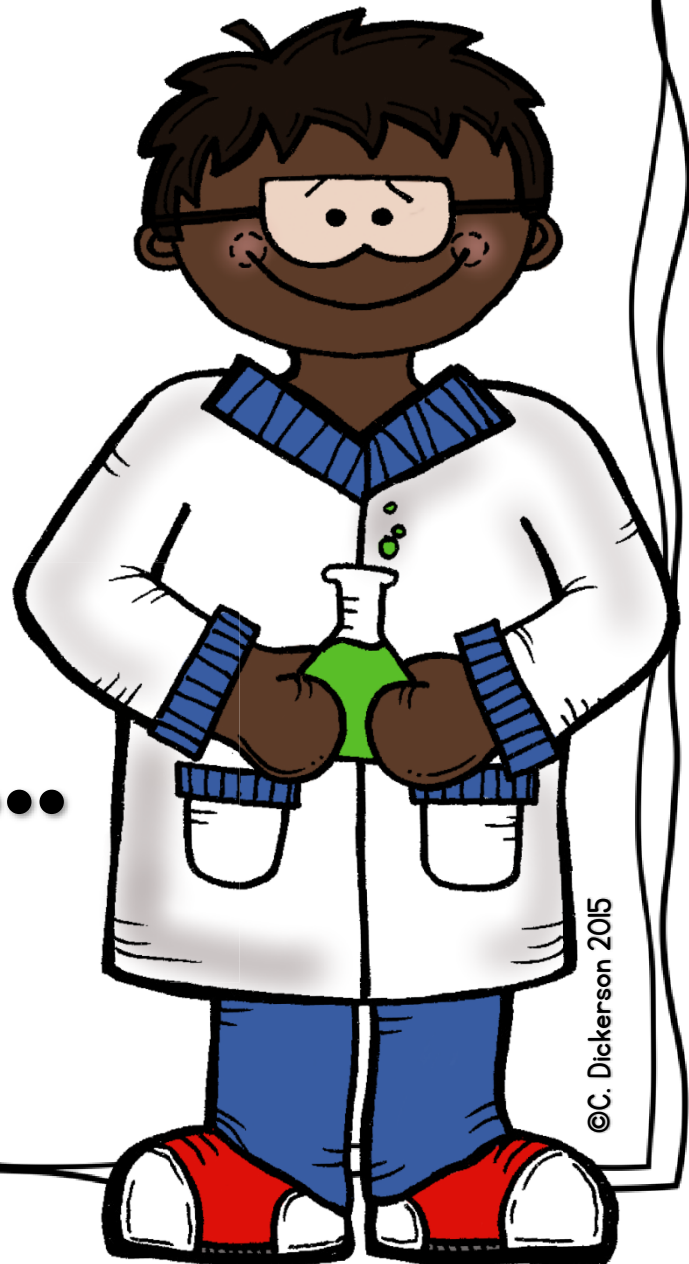


STEP TWO:

CREATE A HYPOTHESIS

I think...

I predict...

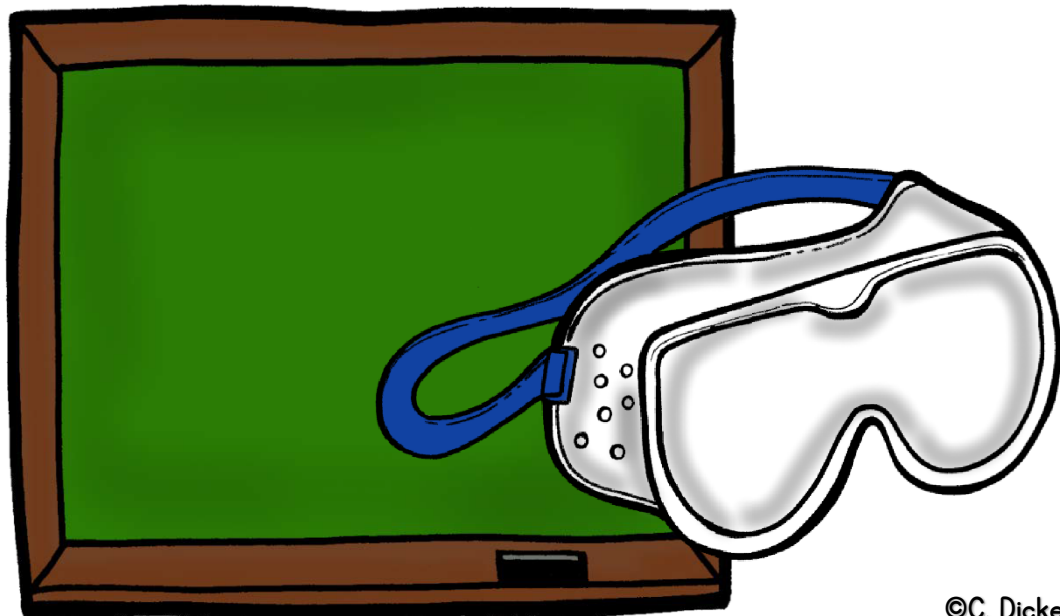


STEP THREE:

TEST YOUR HYPOTHESIS

experiment!

collect data!



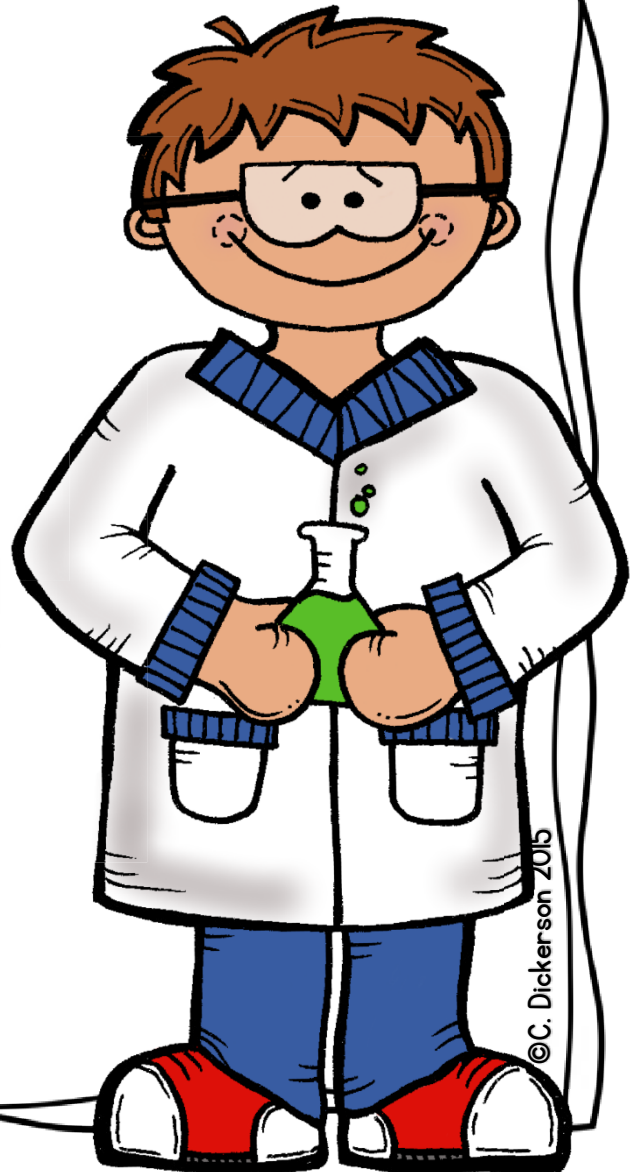
STEP FOUR:

ANALYZE YOUR DATA

charts!

graphs!

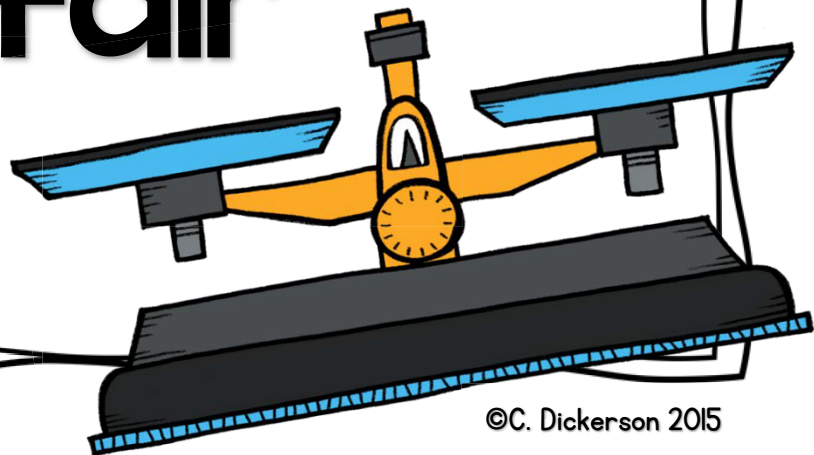
notes!



STEP FIVE:

SHARE YOUR RESULTS

Make
your
science fair
board.



SPECIAL REQUEST!

ADD A 6TH VARIABLE: VINEGAR

The pages below are modified to include this 6th variable.



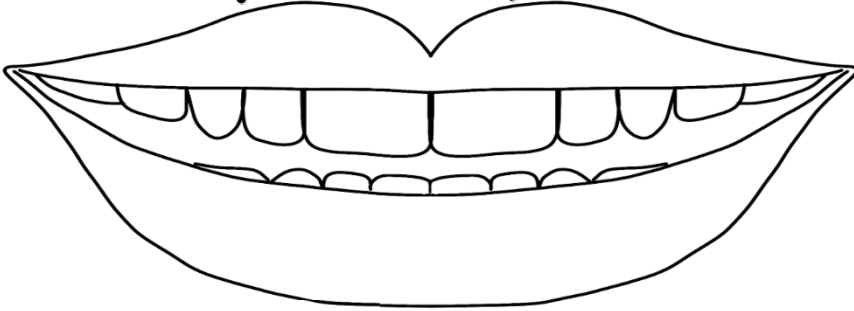
I am always willing to modify my products to meet my customers needs. If you have a special request email me at pencilsandpantherstpt@gmail.com and I will see what I can do for you!

Name: _____

Date: _____

My Hypothesis

Draw a picture of what the teeth will look like after drinking one of these liquids.



Circle One:

Milk	Water
Juice	Coffee
Soda	Vinegar

I think that _____

will make my teeth _____



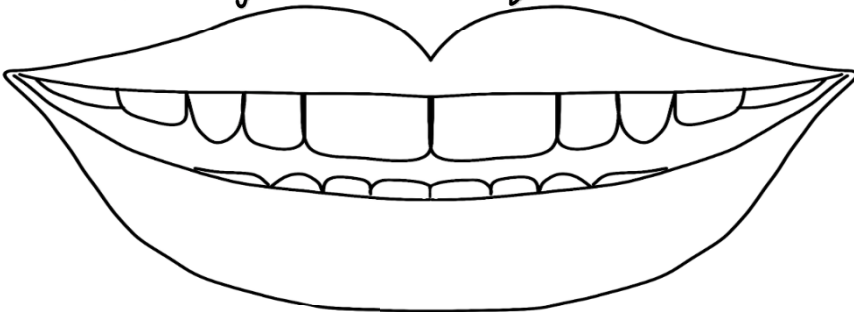
© C. Dickerson 2015

Name: _____

Date: _____

My Hypothesis

Draw a picture of what the teeth will look like after drinking one of these liquids.



Circle One:

Milk	Water
Juice	Coffee
Soda	Vinegar

I think that _____

will make my teeth _____



Name: _____

Date: _____


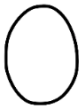














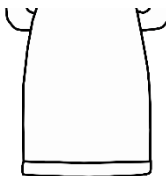
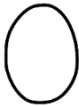


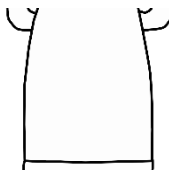
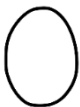


Experiment Data

Write or draw a picture of what you see each day.

Day One

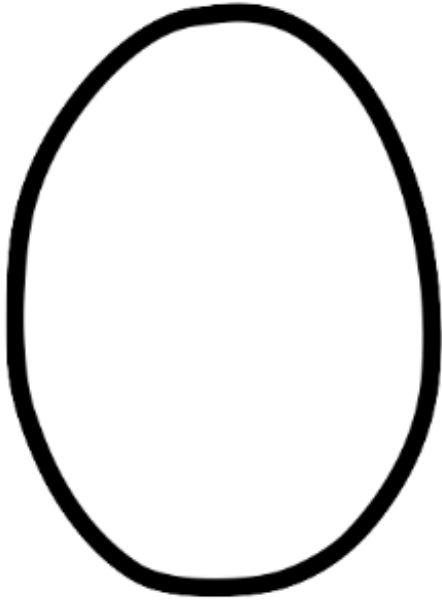
Day Two

Day Three

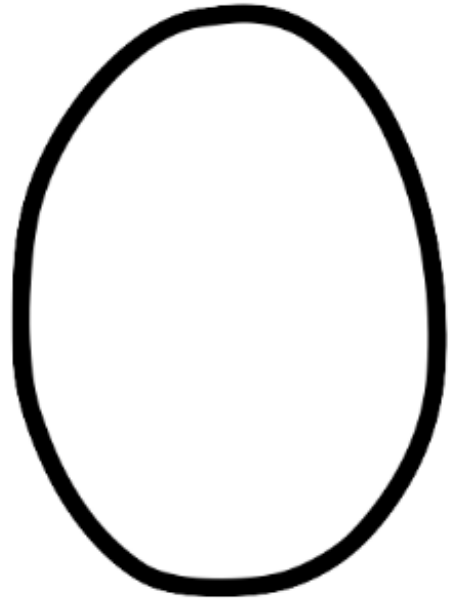
	Day One	Day Two	Day Three
 Milk			
Water 			
 Juice			
Soda 			
Coffee 			
Vinegar 			



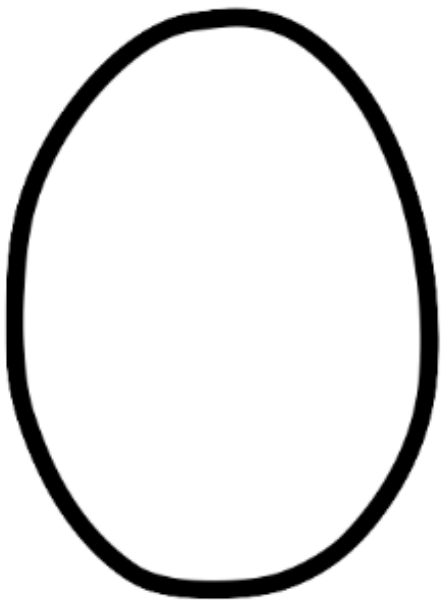
Day One
JUICE



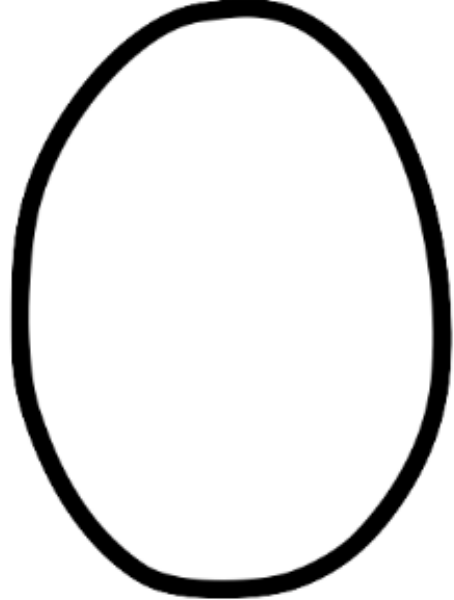
Day Two
JUICE



Day Three
JUICE

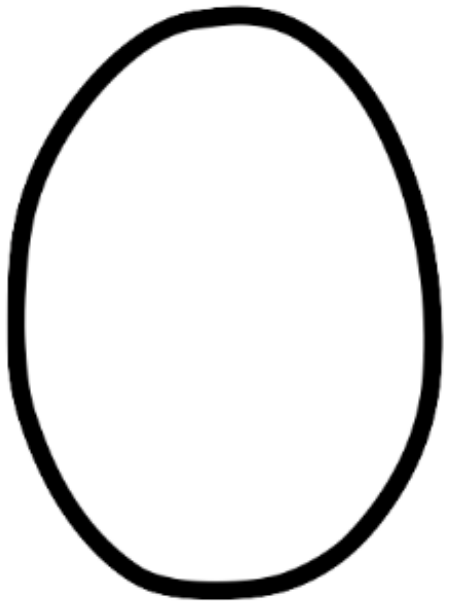


Day Four
JUICE



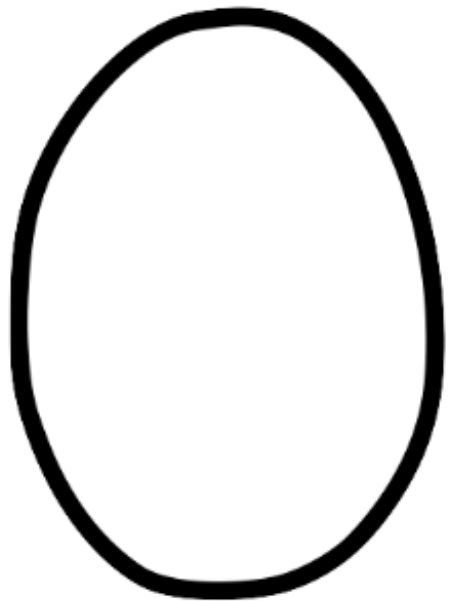
Day One

VINEGAR



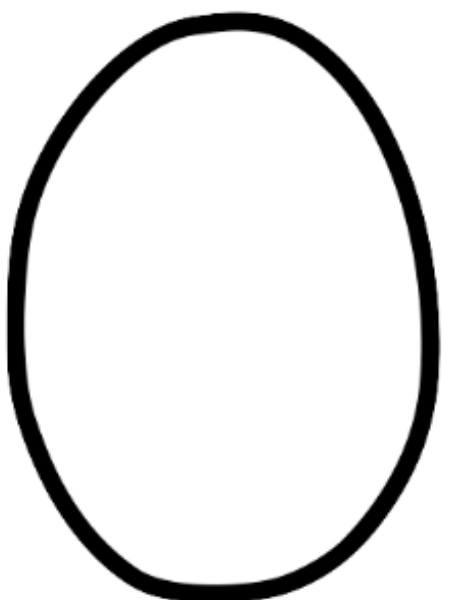
Day Two

VINEGAR



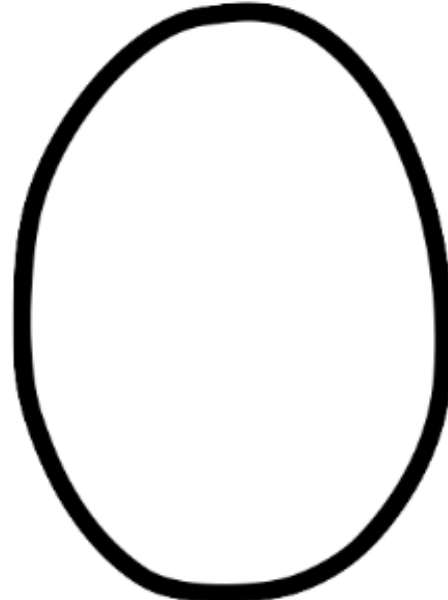
Day Three

VINEGAR



Day Four

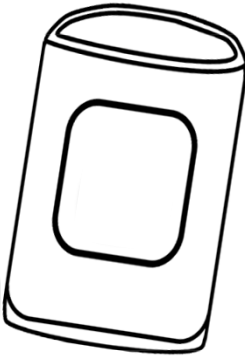
VINEGAR



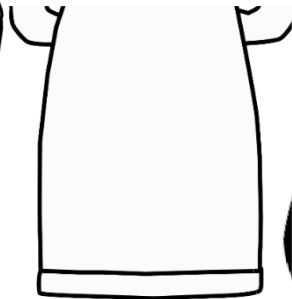
Variables

Changes in experiment

Soda



Coffee



Water



Juice

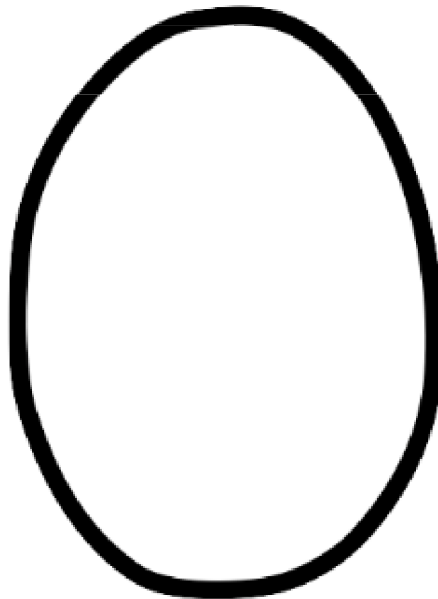


Vinegar



Controls

Stays the same in experiment



Eggs

Name: _____

Date: _____

Results

Illustrate how these liquids and coffee affect your teeth.



Water

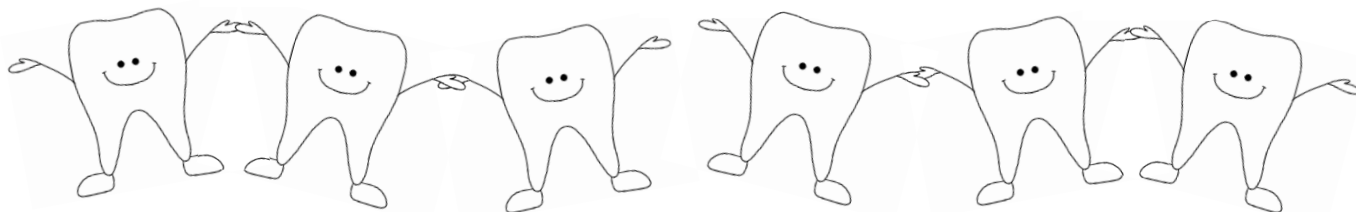
Milk

Juice

Soda

Coffee

Vinegar



I should drink more _____

How do you know? _____

How can you keep your teeth clean? _____



THANK YOU!

FOLLOW ME!

Like this product? Want more?



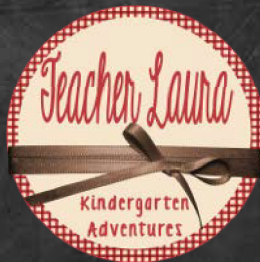
Click on the logos



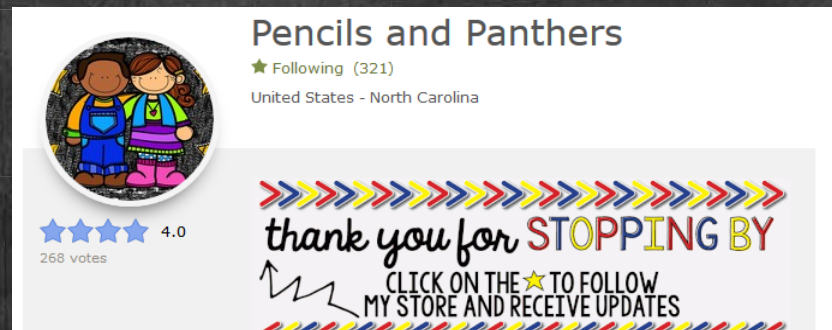
pencilsandpantherstpt@gmail.com

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