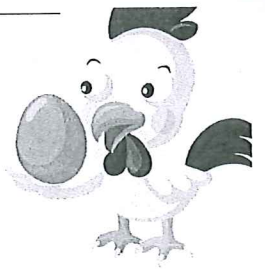


# The Disappearing Egg



## Observations of egg at beginning of experiment:

Draw a picture of your egg here.

A large, empty rectangular box with rounded corners and a decorative border, intended for drawing the egg.

Color:

Texture (What does it feel like?):

Hardness: The shell *IS IS NOT* harder than my fingernail.  
(Circle one)

Mass (Optional):

Other observations:

## Observations of egg soaked in vinegar:

A large, empty rectangular box with rounded corners and a decorative border, intended for drawing the egg after it has been soaked in vinegar.

Color:

Texture (What does it feel like?):

Hardness: The shell *IS IS NOT* harder than my fingernail.  
(Circle one)

Mass (Optional):

Other observations:

## Observations of egg soaked in milk:

A large, empty rectangular box with rounded corners and a decorative border, intended for drawing the egg after it has been soaked in milk.

Color:

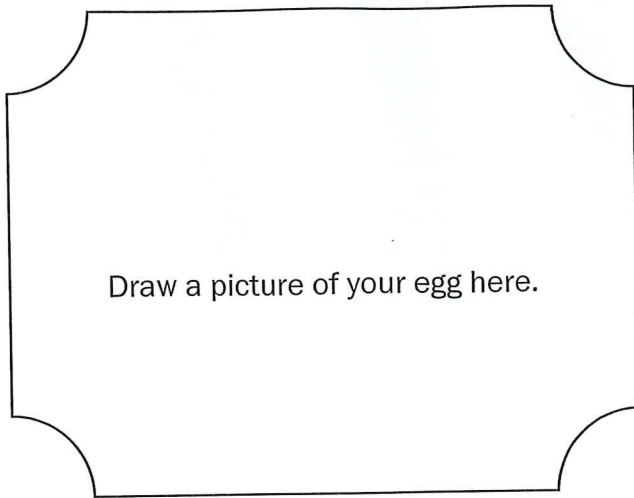
Texture (What does it feel like?):

Hardness: The shell *IS IS NOT* harder than my fingernail.  
(Circle one)

Mass (Optional):

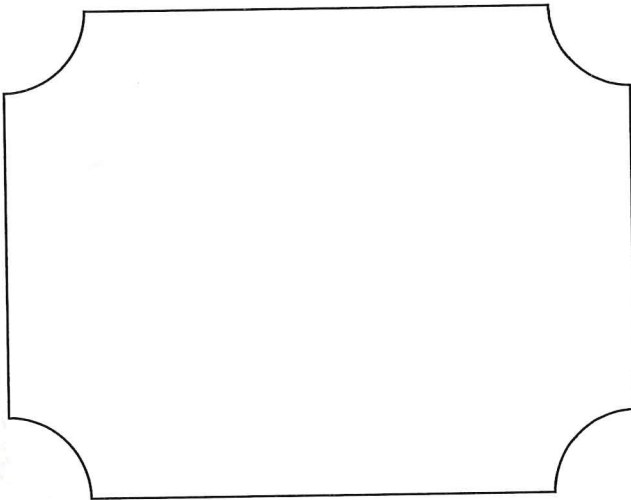
Other observations:

**Observations of egg soaked in sport drink:**



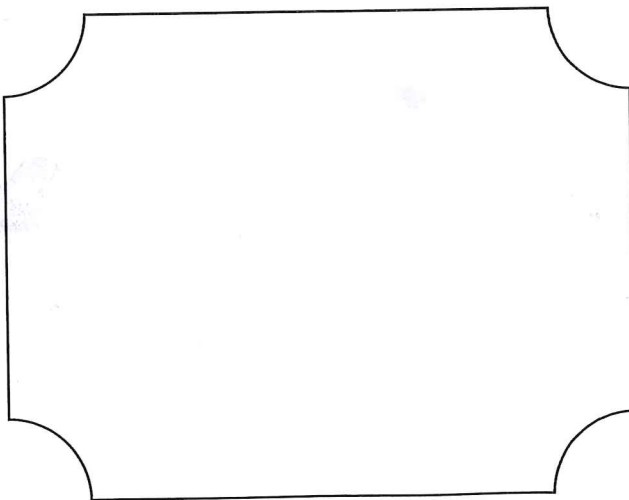
Color:
Texture (What does it feel like?):
Hardness: The shell <i>IS IS NOT</i> harder than my fingernail. (Circle one)
Mass (Optional):
Other observations:

**Observations of egg soaked in soft drink:**



Color:
Texture (What does it feel like?):
Hardness: The shell <i>IS IS NOT</i> harder than my fingernail. (Circle one)
Mass (Optional):
Other observations:

**Observations of egg soaked in water:**



Color:
Texture (What does it feel like?):
Hardness: The shell <i>IS IS NOT</i> harder than my fingernail. (Circle one)
Mass (Optional):
Other observations:



# The Disappearing Egg

## Conclusions...

1. Acids in liquids work to soften, or weaken, hard surfaces like eggshells. The stronger the acid, the softer the eggshell becomes.

Based on your observations, put the liquids in order from the MOST acidic to the LEAST acidic.

<b>MOST:</b>
<b>LEAST:</b>

2. The enamel of your tooth is similar to the egg's shell. What do you think happens to your teeth when you drink liquids that are acidic? Why?

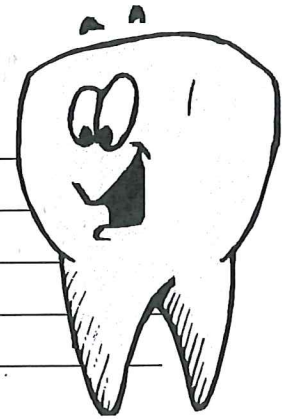
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3. Based on what happened to the eggshells in your experiment, which drinks do you think are BEST for your teeth? Why?

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