

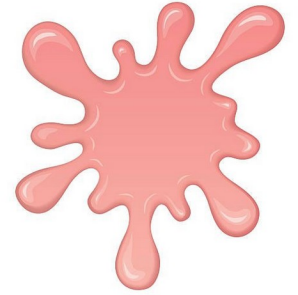
What type of gum can blow the biggest bubble?

Davis Barger



Question

What kind of gum can make the biggest bubble?



Hypothesis

- 1) The kind of gum that is easy to chew will blow bigger bubbles.
- 2) You need more than one piece of gum to blow a bigger bubble.

Experiment Design

MATERIALS: 7 different kinds of gum, a measuring board, markers, chart and measuring stick.

SETUP: Make a board that shows how long the bubble is and make a chart that has the types of gum and the peoples name on it so you can see who did the bubble blowing. I put lines on the chart that has 4 places in between the lines so you can put the data on the chart.

PROCEDURE:

1. I chewed the gum for 2 minutes
2. I put the measuring board near my face
3. I blew the bubble and the person next to me saw how long it was
4. I recorded the length and what happened.
5. I repeated the bubble blowing three more times.



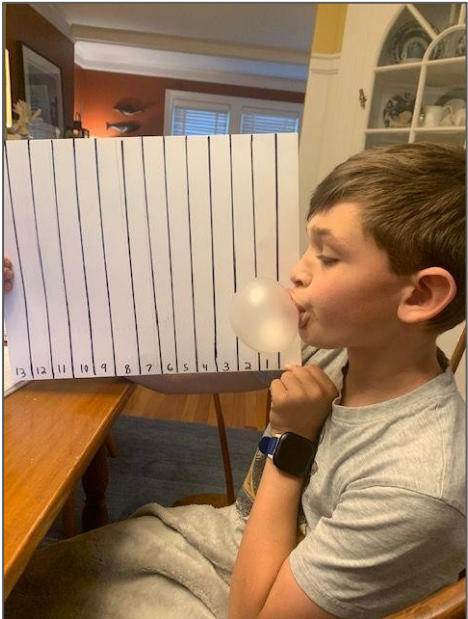
Results - Images

Chart of Bubbles

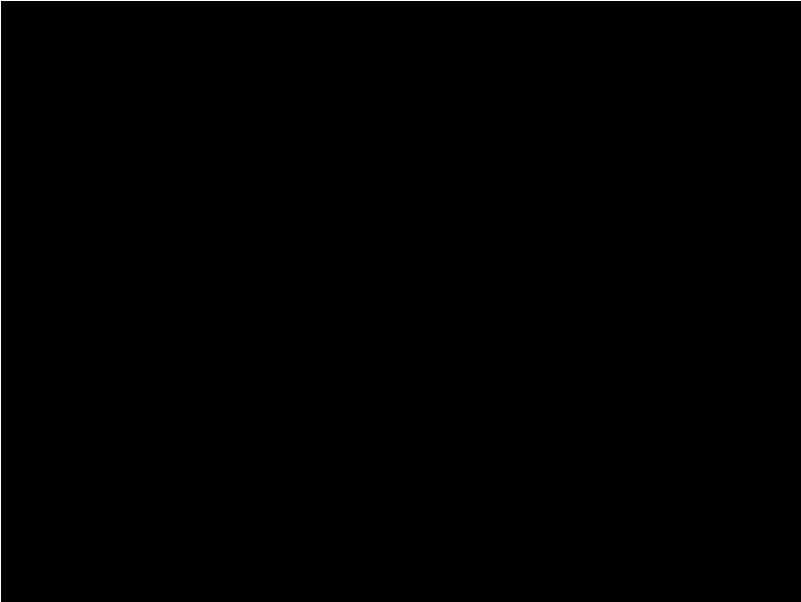
Kinds of Gum

	Davis	Mommy	Happy	Alan
• ve cules grape	3 inch	4 inch	3 inch	
• need 2 pieces or will fall out	4 inches	4 inch	3 inch	
• chew for a while	4 inches	4 inch	3 inch	
• very fruit	3 1/2 inches	3 1/2 inches	3 1/2 inches	
• need 2 pieces or too thin	1/2	2	1	
• not good to bite	1	2	1	
• bubble gum	fail	fail	fail	
• tastes good	fail	fail	fail	
• 2 pieces	fail	fail	fail	
• bubble Yum	3	4	3	1
• easy to chew	3	2	3	1/2
	2 1/2	2	1 1/2	1/2
• 2 pieces	5	2	1 1/2	1/2
• Bazooka	2 1/2	1 1/2	2	
• bubble gum	2	1 1/2	2	
• thin sticky	1	2	3	
• starts like rock	1 1/2	1 1/2	1	
• Big League	1			
• Chew like	2			
• Raspberry	3 1/2			
• easy to chew	3			
• Big League chew	2 1/2			
• at home	2			
• Very thin	1 1/2			

Picture of Davis blowing a bubble



Video of me blowing a bubble



Results - Description

All of the gum had a material called gum base second in the ingredients. They also have different types of sugar. They all made a bubble, and every time you blow a bubble it was never the same. Some kinds of gum were easy to chew and others were hard like a rock.

The gum called **Ice Cubes** blew the biggest bubble. I can tell because most of the measurements were 3 and 4 inches long. Each person who blew a bubble did not blow the same bubble with the same measurement.



Conclusions

Did your project confirm your hypothesis?

- 1) Partially. I thought the bubble gum that was easy to chew would blow the biggest bubble but I was wrong. It was one of the types of gums that wasn't easy to chew that blew the biggest bubble. **Trident** gum that blew the smallest bubble.
- 2) I also learned that you need more than one piece of gum to blow the bubble.

What did you learn?

I learned that everyone blows a bubble differently. I learned that if the gum is thicker when you are blowing it it won't pop as easily and can blow bigger. The thicker the gum is the more time you have to keep blowing the bubble.

