

TASTE WITH YOUR EYES

Can your eyes affect your taste buds? Let's find out with this fun, colorful experiment!

INSTRUCTIONS:

STEP 1: For each participant, you will need three cups.

(make sure your volunteers don't see you setting up)

STEP 2: Place a drop of food coloring in each cup.

(3 different colors)

STEP 3: Add the juice to each cup.

STEP 4: Now invite the participants in for the taste test.

STEP 5: Have them try each drink and write what flavor they think it is.

SUPPLIES

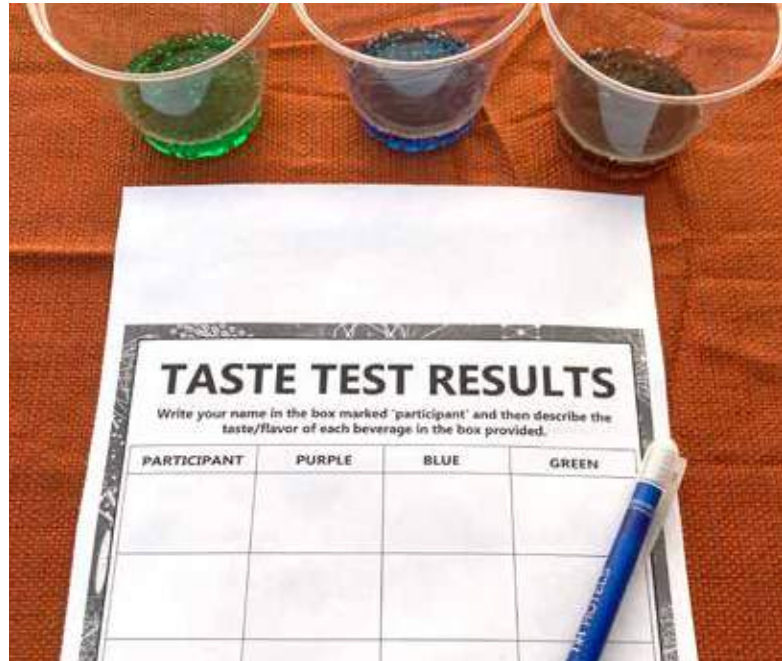
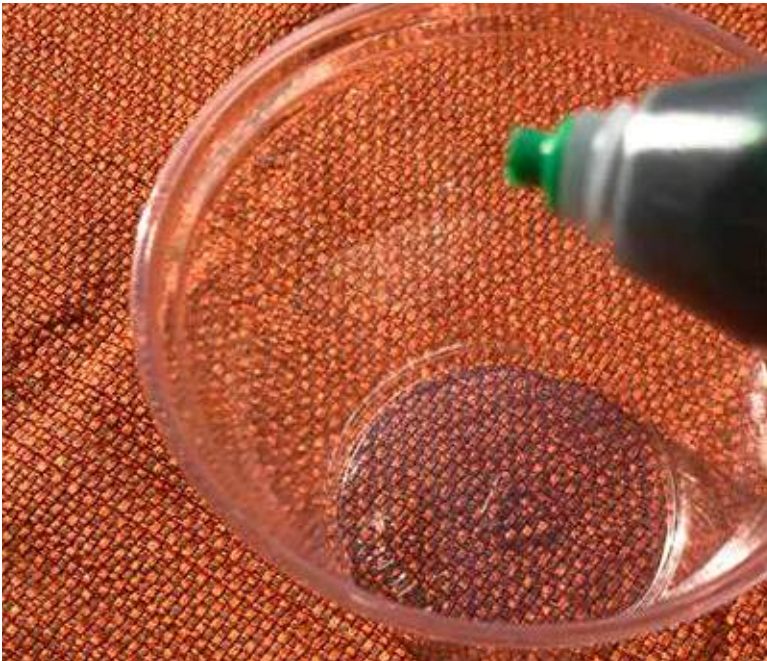
Clear cups
Food coloring
Soda or juice
Volunteers

THE SCIENCE

The taste buds on your tongue interpret flavors and help you identify food. Our other senses also play a role in this experience. Smells and also visual stimuli tell our brain what we are eating.

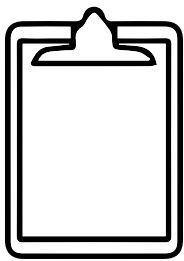
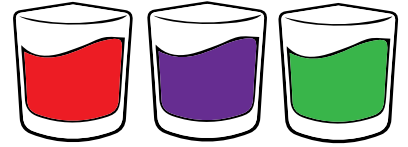
Even though each cup contained the same thing, you probably found your volunteers thought that they were drinking different things. Since the only difference between the liquids was the color, we can conclude from this activity that the what the liquid looks like affects how it tastes.

If any of your volunteers thought the cups all contained the same thing, compliment them on their super taste buds!



Taste Test Observations

Use this worksheet to process and evaluate your work.



RECORD

Do you think the participants will guess the secret?

What did you observe? Did the participants react the way you thought?

Does one color seem to be the favored by your volunteers?

How do they react when they find out all the cups are the same?

Did anyone figure it out on their own?

TASTE TEST RESULTS

Write your name in the box marked 'participant' and then describe the taste/flavor of each beverage in the box provided.

PARTICIPANT	PURPLE	BLUE	GREEN

LITTLE BINS FOR LITTLE HANDS

Are you ready to . . .

- ✓ Find manageable science, engineering, and art projects that kids love doing and are budget-friendly.
- ✓ Stop entering your email address over and over for each activity.
- ✓ Spend less time prepping with our easy instructions, templates and supply lists.
- ✓ Spend more time engaging with your students, groups or kiddos.



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Meet the Little Bins for Little Hands Duo!

Hi! My name is Sarah, and this is my son Liam. He's actually 13 now. We still LOVE playing around with science and STEM at home.

I shared a simple baking soda and vinegar science activity ten years ago with him. Since then, we've been hooked! Together we have enjoyed 100s of science experiments that are low cost, easy to set up, and just plain FUN!

I always aim to provide the BEST science activities and STEM projects that fit your time and budget! We hope you enjoy the materials we have put together for you today!

~Sarah and Liam

