

APPLE SCIENCE

Apple & Lemon Juice STEM Experiment

Learn more about this project with [Easy Apple Science Lemon Juice Experiment for Kids](#).

Question:

Which variety of apples turn brown the fastest? And, does lemon juice stop the browning process?

Experiment:

Determine which types of apples turn brown the fastest, and whether or not lemon juice stops the browning process.

Alternative Experiment: Using one variety, perhaps the one that had the least amount of browning, test different types of liquid to see if the browning process is different. Suggested liquids; water, white vinegar, apple cider vinegar, apple juice.

Supplies:

6 varieties of apples

Lemon Juice {or real lemon}

Paper Plates, Knife, Small Cups {optional}

Timer {optional}

Directions:

Label each paper plate with the name of each apple.

Cut 2 wedges from each apple variety.

Place one wedge on the plate, as is.

Place the other wedge in the small cup and coat the wedge with lemon juice, evenly.

Dump any remaining lemon juice from the cup.

Repeat this process with each of the 6 varieties of apples.

Observe:

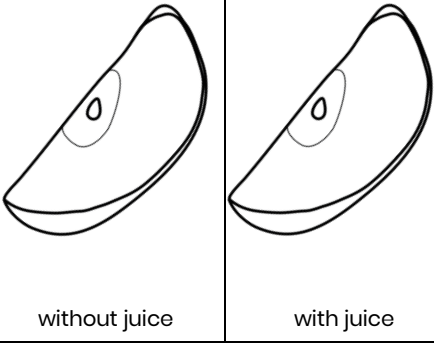
Wait and document what happens with each variety of apple. You can use a timer to accurately measure the length of time it takes for each to turn brown.

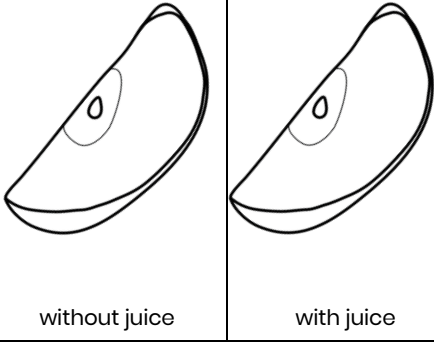
Document:

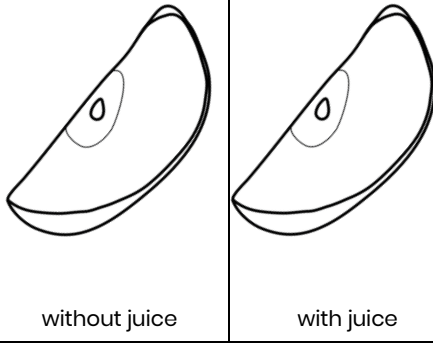
Document your results on the provided pages.

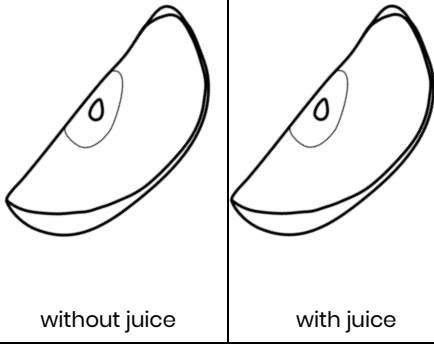


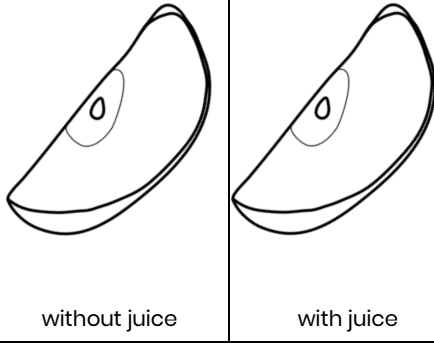
Apple & Lemon Juice STEM Experiment

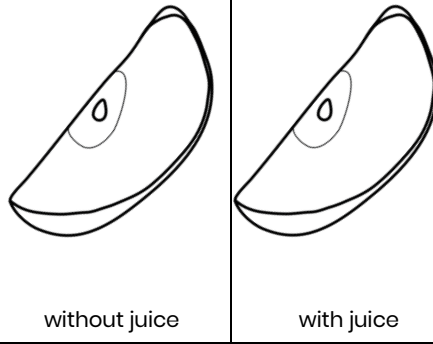
Type:
What I think will happen:
Color the apples to show browning.

without juice with juice
What I think will happen:
Conclusion:

Type:
What I think will happen:
Color the apples to show browning.

without juice with juice
What I think will happen:
Conclusion:

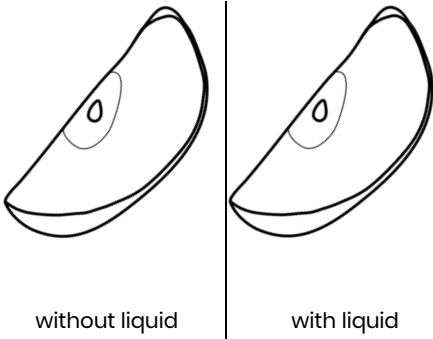
Type:
What I think will happen:
Color the apples to show browning.

without juice with juice
What I think will happen:
Conclusion:

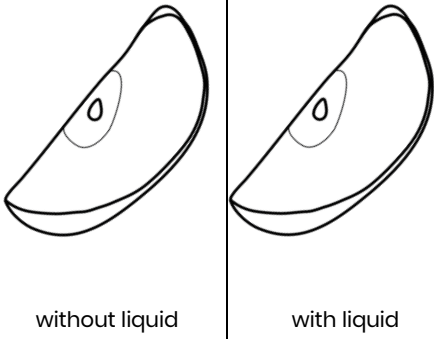
Type:
What I think will happen:
Color the apples to show browning.

without juice with juice
What I think will happen:
Conclusion:

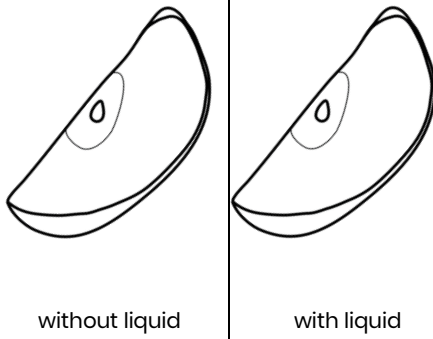
Type:
What I think will happen:
Color the apples to show browning.

without juice with juice
What I think will happen:
Conclusion:

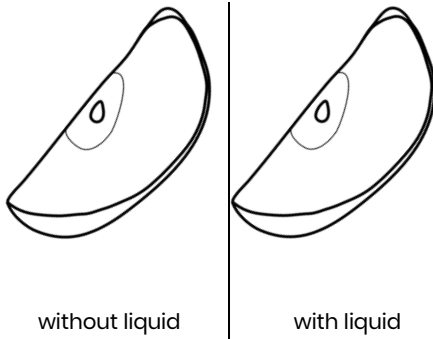
Type:
What I think will happen:
Color the apples to show browning.

without juice with juice
What I think will happen:
Conclusion:

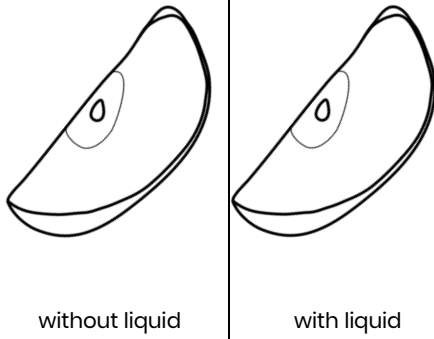
Alternate Apple Browning STEM Experiment

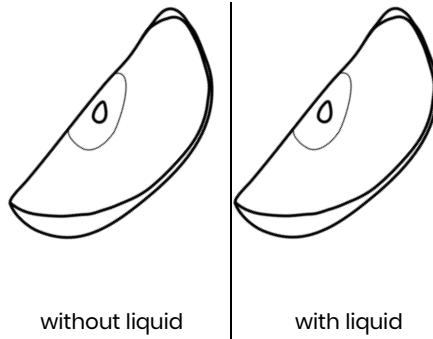
Type of liquid:
What I think will happen:
Color the apples to show browning.

without liquid with liquid
What I think will happen:
Conclusion:

Type of liquid:
What I think will happen:
Color the apples to show browning.

without liquid with liquid
What I think will happen:
Conclusion:

Type of liquid:
What I think will happen:
Color the apples to show browning.

without liquid with liquid
What I think will happen:
Conclusion:

Type of liquid:
What I think will happen:
Color the apples to show browning.

without liquid with liquid
What I think will happen:
Conclusion:

Type of liquid:
What I think will happen:
Color the apples to show browning.

without liquid with liquid
What I think will happen:
Conclusion:

Type of liquid:
What I think will happen:
Color the apples to show browning.

without liquid with liquid
What I think will happen:
Conclusion:

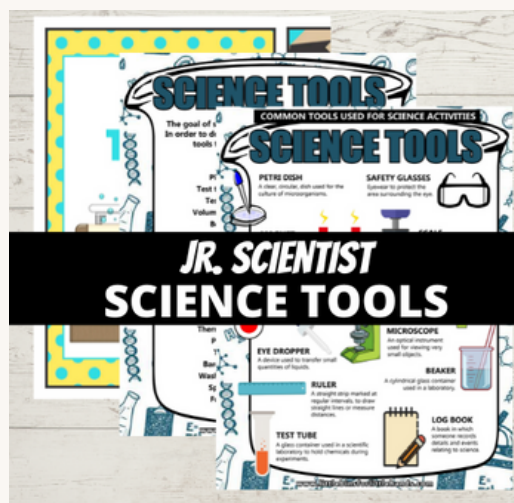
LITTLE BINS FOR LITTLE HANDS

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.



[CLICK HERE TO JOIN](#)



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

