

Attracting bugs



M7-12

M7-12 Life Science

Testable Question & Purpose

Question: : Which of the following solutions sugar, cinnamon, salt and honey will attract the most insects?

Purpose: People do want bugs to go near them. And they want a solution. Also some people do want the bugs to come near their garden. So by making these solutions they can put them in certain places.

Abstract

Which of the following solutions sugar, cinnamon, salt and honey will attract the most insects? People do want bugs to go near them. And they want a solution. Also some people do want the bugs to come near their garden. So by making these solutions they can put them in certain places. If I put these four solutions and leave them outside, then the honey solution will attract the most, because it has sugar and bees are already attracted to it. Basically you had to put the solutions on the plates and observe how many bugs go on the plate. The honey had the most bugs come to it.

Hypothesis

If I put these four solutions and leave them outside, then the honey solution will attract the most, because it has sugar and bees are already attracted to it.

Materials

1 pack of paper plates, $\frac{1}{4}$ cup of sugar, $\frac{1}{4}$ cup of honey, $\frac{1}{4}$ cup of salt, $\frac{1}{4}$ cup of cinnamon, measuring cup, 1 bottle of glue, a pack of thumbtacks and a pack of string, and a hole puncher, cardboard.

Procedures

Step 1. Lay out all the materials on flat surface

Step 2. Grab your plates (4) and put 1/4 cup of glue on the plate (near the middle).

Step 3. Put ¼ of honey on a plate

Step 4. Put ¼ of salt on another plate

Step 5. Put ¼ of cinnamon on another plate

Step 6. Put ¼ of sugar on the last plate

Step 7. Let it dry for 10 minutes

Step 8. On each the plate punch a hole on the top

Step 9. With the string through the hole tie a knot and with the ends tie another knot.

Step 10. With the cardboard use the thumb tack (4) put it on the cardboard

Step 11. Then hang it on the thumbtack.

Step 12. Leave it outside for about 10 minutes and observe how many bugs go to each plate.

Step 13. Write down what you observed and come with a conclusion

Variables

Control- the amount of each solution, type of plate, amount of glue, weather condition, and amount of time left out

Independent- the amount of insects attracted to the solutions

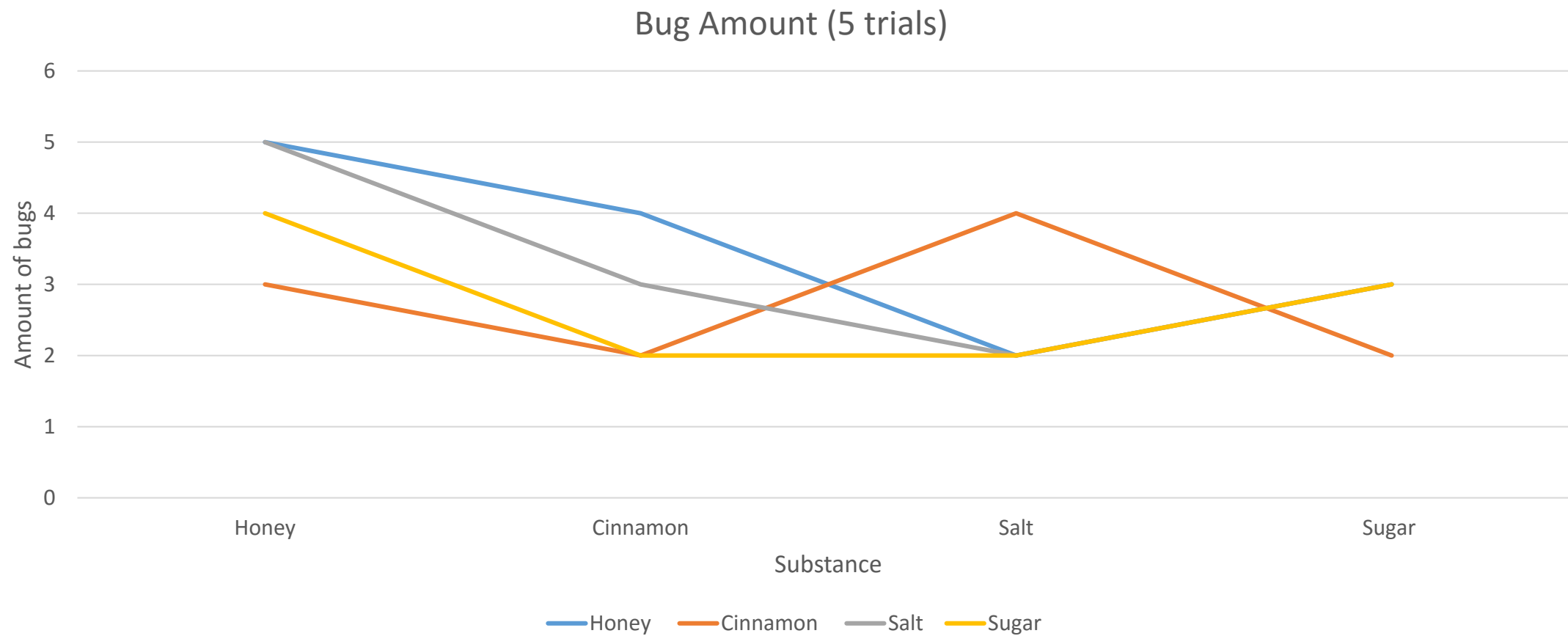
Dependent- honey, salt, sugar, salt, and cinnamon



Pictures



Results (Graph)



Results

The honey had the most bugs come to it in most of the trails that were conducted.



Conclusion

My hypothesis was supported because the honey had the most bugs come to it in most of the trails that were conducted.

Sources

- By Far and Away the Best Remedy for a Horrible Stomach Bug Is Cinnamon. It Makes Sense Because Cinnamon Is a Powerful Anti-bacterial. Research Has Shown Cinnamon Is One of the Most Effective Substances against E-coli, and Salmonella. as Well As Campylobacter . Another Study Found Cinnamaldehyde from Cinnamon Bark Oil in Its Various Forms Is Effective Against adenovirus. Another Reason to Have Our Cinnamon Tea Which Is Infused with Cinnamon Bark Oil That Has High Levels of Cinnamaldehyde (between 60-80%). Read Our Blog Post on How to Take Cinnamon for Stomach Bugs and Flu. "26 HEALTH BENEFITS OF CINNAMON." 26 Health Benefits of Cinnamon. N.p., n.d. Web. 13 Sept. 2016.
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