

09/25

Conclusion Practice

#6

Agenda

- conclusion practice
- Plan your investigation

Exit Task

- Plan an investigation to the materials/procedures

Read through your conclusion for the hot chocolate and score yourself out of 4.

Learning target:

I can write a question and hypothesis based on a set of materials!.

- R** • Write a sentence to state whether the data supports/does not support your hypothesis.
- A** • Answer the question in a complete sentence.
(Conclusive Statement)
- P** • Use the HIGH and LOW AVERAGE data values to show that your data does or doesn't support your hypothesis.
- S** • Use conclusive language by comparing your high and low average data values using an 'er' or comparison word (more than, less than, greater than, etc.), be sure to include a specific number indicating the difference in data.

-  Sit up
-  Track the speaker
-  Ask questions
-  Respect your peers
-  Stay focused

Learning target:

I can write a question and hypothesis based on a set of materials!

And Again:

Students were wondering which cup to use to keep their hot chocolate warm throughout the football game which lasts about 3 hours.

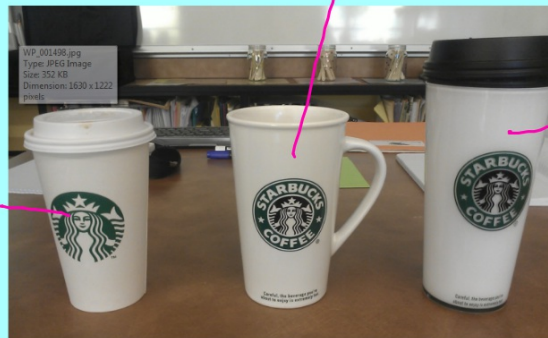
How does the type of cup affect the temperature of hot chocolate after 3 hrs?

Write the testable research question.

Write your hypothesis.

ceramic / china

Paper



To go Travel mug

Learning target:

I can write a question and hypothesis based on a set of materials!

-  Sit up
-  Track the speaker
-  Ask questions
-  Respect your partner
-  Stay focused

Data Table



Temperature after 34 hours Degrees C	Paper cup	China cup	Starbucks To Go coffee Mug
Trial 1	21	22	62
Trial 2	26	26	66
Trial 3	22	30	64
Average	23	26	64

Write the conclusion for this investigation.

Learning target:

I can write a question and hypothesis based on a set of materials!

- ★ Sit up
- ★ Track the speaker
- ★ Ask questions
- ★ Respect your partner
- ★ Stay focused

Now for an assessment of your conclusion writing so far.

Question: How does the amount of salt in water affect boiling time?

Hypothesis: If you add salt to water then it will boil faster because my Mom adds salt to the water and she takes lots of kitchen shortcuts.

Data Table

	Amount of Salt		
Boiling time (min)	0 tsp.	1 tsp.	2 tsp.
Trial 1	5	4.7	4.2
Trial 2	4.9	4.5	4
Trial 3	5.2	4.4	3.9
Average	5	4.5	4

Write your conclusion in silence on the blue paper.

Learning target: I understand how to write a conclusion to an investigation.

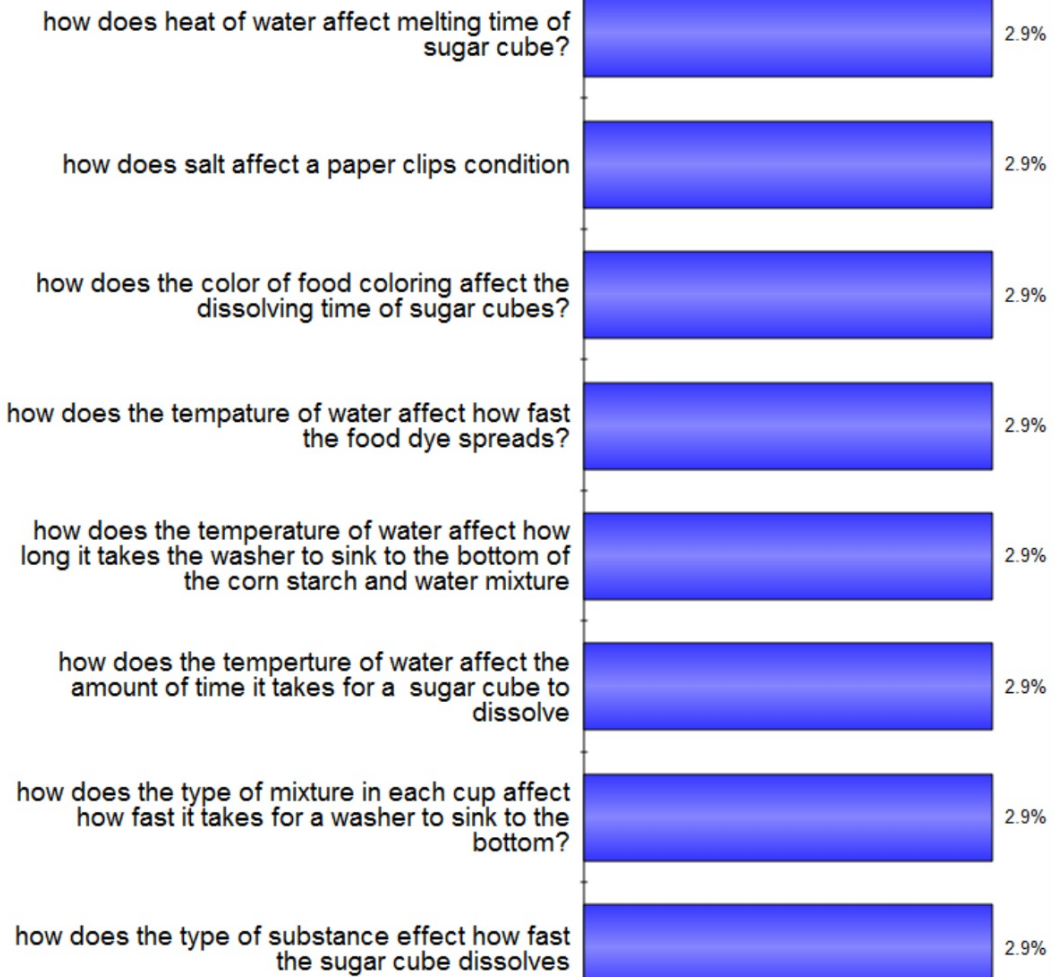
09/25

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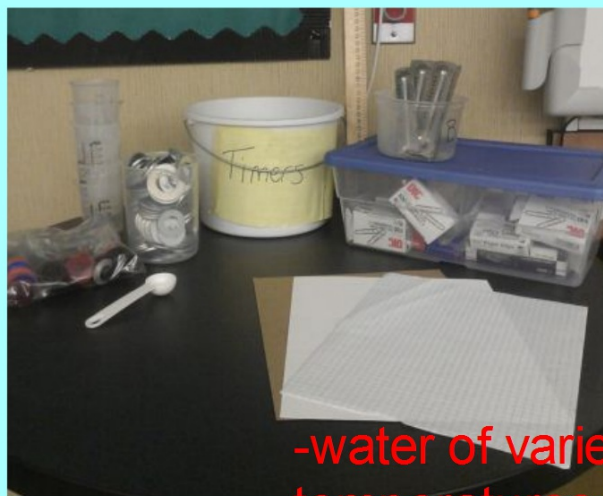
Learning ta
I can write a



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- Sit up
- Track the sp
- Ask question
- Respect you
- Stay focused

You have the following materials available to you.
Write a testable research question using some of the materials.



- Paper clips
- sugar cubes
- magnets
- different types of paper
- washers

- water of varied temperatures
- beakers
- thermometer
- meter stick
- timer

Learning target:

I can write a question and hypothesis based on a set of materials!

- ★ Sit up
- ★ Track the sp
- ★ Ask question
- ★ Respect you
- ★ Stay focused

And Again:

After the paperclip investigation a student wondered whether temperature has an effect on a magnet's strength?

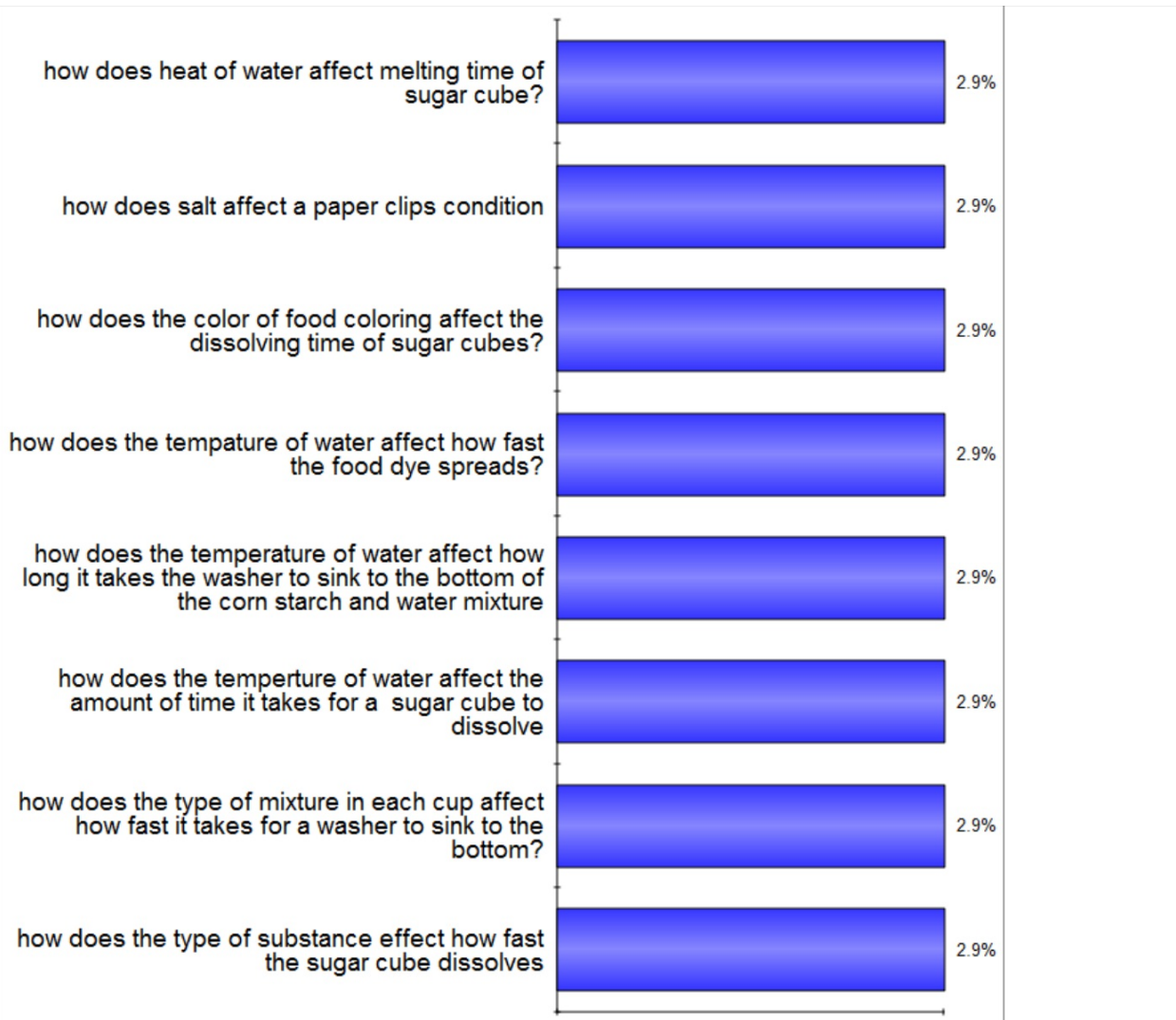
Write the testable research question.

Write your hypothesis.

Learning target:

I can write a question and hypothesis based on a set of materials!





Period 2

