

09/24 Conclusion Practice #6

Use the research question, hypothesis and data table to write a conclusion for this investigation.

Agenda

- conclusion practice

Question

How does the temperature of water affect the dissolving time of Kool aid?

Hypothesis

If the temperature of water increases then the dissolving time of Kool-aid will decrease because hot water will melt the sugar.

**Exit Task**

-4 point conclusion

Temperature Of Water	Dissolving Time of Kool-Aid (sec)			
	Trial 1	Trial 2	Trial 3	Average
Hot	10	12	8	10
Room Temp	15	13	11	13
Cold	22	21	23	22

**Learning target:**

I can write a conclusion for an experiment that follows the RAPS.

- 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 conclusion for an experiment that follows the RAPS.

And Again:

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

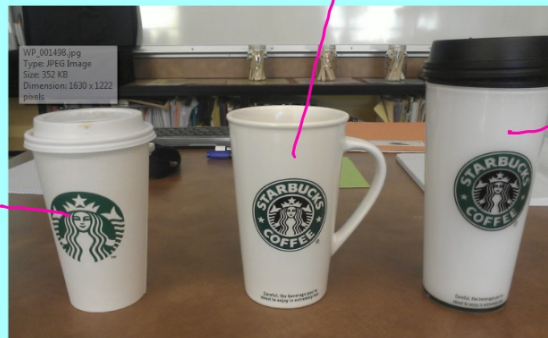
How does the type of cup affect the temperature of hot chocolate after 3 hrs?

Write the testable research question.

Write your hypothesis.

ceramic / china

Paper



To go Travel mug

**Learning target:**

I can write a conclusion for an experiment that follows the RAPS.

- ★ Sit up
- ★ Track the sp
- ★ Ask question
- ★ Respect you
- ★ 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 conclusion for an experiment that follows the RAPS.

- ★ Sit up
- ★ Track the speaker
- ★ Ask questions
- ★ Respect your partner
- ★ 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 conclusion for an experiment that follows the RAPS.



Activinspire - Studio

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33	34														

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And

And Again:

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

Write the testable research question.

Write your hypothesis.

Enter text

Learning target:  
I can write a conclusion for an experiment that follows the RAPS.

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


8:50 AM 9/24/2022

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33

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### Data Table



Temperature after 4 hours Degrees C	Paper cup	China cup	Starbucks To Go coffee Mug
Trial 1	21	22	62
Trial 2	26	26	
Trial 3	22	30	
Average	23	26	

Enter a Number

**Write the conclusion for this investigation.**

**Learning target:**  
I can write a conclusion for an experiment that follows the RAPS.

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

9:14 AM 9/24/2022

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Page 3 of 8

And Again:  
Students were wondering which cup to use to keep their hot chocolate warm throughout the football game.

Write the testable research question.

Write your hypothesis.

Enter text

**Learning target:**  
I can write a conclusion for an experiment that follows the RAPS.

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

9:56 AM 9/24/2012



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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16  
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32  
33 34

Page 3 of 8

And Again:

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

Write the testable research question.

Write your hypothesis.

Enter text

**Learning target:**  
I can write a conclusion for an experiment that follows the RAPS.

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

10:00 AM  
9/24/2022

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16  
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32  
33 34

Page 3 of 33

And Again:

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

Write the testable research question.

Write your hypothesis.

Enter text

**Learning target:**  
I can write a conclusion for an experiment that follows the RAPS.

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

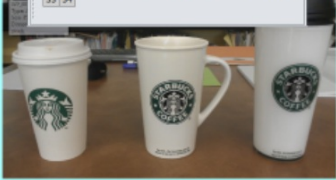
10:04 AM  
9/24/2022

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16  
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33 34

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### Data Table



Temperature after 4 hours Degrees C	Paper cup	China cup	Starbucks To Go coffee Mug
Trial 1	21	22	62
Trial 2	26	26	
Trial 3	22	30	
Average	23	26	

Enter a Number

**Write the conclusion for this investigation.**

**Learning target:**  
I can write a conclusion for an experiment that follows the RAPS.

- ★ Sit up
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- ★ Ask questions
- ★ Respect you
- ★ Stay focused

11:07 AM  
9/24/2023

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33	34														

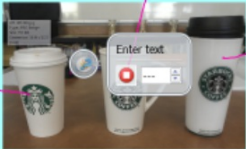
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And Again:

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

Write the testable research question.

Write your hypothesis.

*Paper*  *ceramic/china* *Togo travel mug*

**Learning target:**  
I can write a conclusion for an experiment that follows the RAPS.

- ★ Sit up
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- ★ Stay focused

10:35 PM 9/24/2022