

Being Scientific

Evaluate and Refine

Do you trust your results? Why?
What could you do or change about what you did, to trust them more?
What new questions are there?

Explore & Think Scientifically

What are you trying to find out? What questions and ideas do you have? Who uses this or where is it used in everyday life?

Ask Questions

What do you want to find out? What are you changing or measuring? Does your question tell others this?

Analyse and Conclude

What is the answer to your question?
What does your evidence mean?
Are there any patterns? What did you find out? How can you tell? Why?
Is there anything odd?

Observe over time?

Fair Test?

Research?

Pattern Seek?

Classify?

Survey?

Plan

How can you answer your question?
What type of enquiry should you use? Why?

Present Information and Communicate

How will you show others what you found out? What science words can you use?

Carry it Out

Do your investigation!
Work with others

Observe & Measure

What will you need? How will you use it? However often will you do it? How will you record it?
How will you make it safe?



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Today's focus...

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Fair Test?

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What happened



We found out that



The answer to our question is



What we found out



I found out that made the

.....

Our guess was / wasn't right

long - short
big - small
hot - cold
bright - dim
fast - slow
loud - quiet

The answer to my question is

.....



What we found out and why



longer - shorter
bigger - smaller
hotter - cooler
brighter - dimmer
faster - slower
louder - quieter
heavier - lighter
greater - lesser
increases - decreases

I found out that made the
.....

What is the answer to your question?

My prediction was / wasn't right



I think this was because

Can you explain why?



Conclusion of what happened and why



I found out thatthe

Which words from the box could you use to describe your pattern?

longer - shorter
bigger - smaller
hotter - cooler
brighter - dimmer
faster - slower
louder - quieter
heavier - lighter
greater - lesser
increases - decreases

What is the answer to your question?

Was your prediction correct?

This is because.....

Can you explain why?



What our conclusion is



Were there any patterns in your graph?
What comparatives could you use to describe them?

longer - shorter
bigger - smaller
hotter - cooler
brighter - dimmer
faster - slower
louder - quieter
heavier - lighter
greater - lesser
increases - decreases

What is the answer to your question?

Was your prediction correct?
What did you find out?

- I conclude that...
- My research shows...
- My experiment shows that...
- My graph/results show...



What is your conclusion?
Can you explain why scientifically?

- This can be explained by...
- As I predicted...
- This is because...
- The reason for this is...



Concluding Explanation



Can you explain any patterns you found using your graphs?

Does all your evidence support your conclusion?

longer - shorter
bigger - smaller
hotter - cooler
brighter - dimmer
faster - slower
louder - quieter
heavier - lighter
greater - lesser
increases - decreases

What is the answer to your question?

Was your original idea or prediction correct?



What conclusion can you come to?

Can you explain why, using background information and scientific key words?

- I conclude that...
- My research shows...
- My experiment shows that...
- My graph/results show...

What further questions could you ask or investigate?

- This can be explained by...
- As I predicted...
- This is because...
- The reason for this is...

