This experiment investigated will soil heat up more than water?

I predicted that the soil would get hotter and that hypothesis was accepted.

The soil increased in temperature by 10 degrees F. The water increased by 4 degrees F.

This happened because the soil is a darker color, therefore absorbing more lights heat.

One possible error is that the lamp was left on too long.

This error can be improved by timing carefully and turning off the lamp at the exact time.

It is important to fix this error because it could mess up your results.

Another possible error is if the thermometer is broken.

This error can be improved by filling the cup all the way up.

It is important to fix this error because it could make your data inaccurate.

To conclude, the soil got hotter than the water.

Conclusion Paragraph Rubric

Part	0	1	2	Total
1 (intro)	No intro sentence	Intro sentence present	Intro sentence present and restates question (not just repeat)	
2 (hypothesis)	No reference to hypothesis	1 present: restate hypothesis & accept/reject	Both restates hypothesis and accepts/rejects	
3 (quantitative data)	No number data	Incomplete number data	Number data for all groups in an experiment in detail	
4 (why-qualitative)	No explanation about why the data turned out the way it did	Incomplete or inaccurate explanation of the data	Accurate and detailed explanation of the data	
5 (Error)	No error mentioned	Vague error mentioned	Detailed and relevant error mentioned	
6 (How to improve)	Not explained how to improve	Vague explanation of how to fix the error	Detailed explanation of how to fix the error, related to the aforementioned error	
7 (Why important to improve)	Not explained why it is important	Vague explanation of why it is important to fix the error	Detailed explanation of why it is important to fix the error	
8 (Error)	No error mentioned	Vague error mentioned	Detailed and relevant error mentioned	
9 (How to improve)	Not explained how to improve	Vague explanation of how to fix the error	Detailed explanation of how to fix the error, related to the aforementioned error	
10 (why important to improve)	Not explained why it is important	Vague explanation of why it is important to fix the error	Detailed explanation of why it is important to fix the error	
11 (conclusion)	No concluding sentence	Concluding sentence present	Concluding sentence present and answers the original question	
Spelling/ grammar	More than 4 mistakes in spelling or grammar	2-4 mistakes in spelling or grammar	Less than 2 mistakes in spelling or grammar	
			Total:	/24

TRANSITION WORDS:
To begin with,
For instance,
One reason,
In addition,
Furthermore,
Also,
Another
Subsequently,
Consequently,
Finally,
To Conclude,
In conclusion,

WHO OR WHAT IS THE TOPIC ABOUT - Restate the Question:

This experiment investigated…

TW **OBSERVATION** - Restate Hypothesis and if accepted/rejected:

It was predicted…

And that hypothesis has been _____ (accepted/rejected)

HOW - State the quantitative data:

The data shows…

WHY – Explain using qualitative data

This happened because…

TW **OBSERVATION** - Identify 1 possible source of error:

One source of error…

HOW - Explain how to improve:

This experiment could be improved by…

WHY – Explain:

This is important because…

TW **OBSERVATION** - Identify 1 possible source of error:

Another source of error…

HOW - Explain how to improve:

This experiment could be improved by…

WHY – Explain:

This is important because…

TW **TO CONCLUDE:**

The lesson learned …OR…. The answer to the original question