

Science 7

TEAM

Today's Date: 11/14/10

SECTION # 5 SEASON Fall

PHYSICAL FEATURES DATA TABLE for the TEMPERATURE DIFFERENCE TEST

1. Today's Weather (discuss, clouds, wind, etc.): cloudy, slight breeze, cold, rainy

2. Recent Weather: rainy, cold, cloudy, slight breeze/wind *god*

3. **Stream Observations:** Make observations of substances or conditions at or near each test location that you believe may contribute to thermal pollution. Record them in the boxes below.

Location A <u>11.7</u> degrees C	Location B <u>11.5</u> degrees C	Location C <u>11.0</u> degrees C
<ul style="list-style-type: none"> - no factory - no surfaces in the stream - grass/dead leaves on bank - green stuff - twigs - cliff 	<ul style="list-style-type: none"> - no factory - no surface in the stream - grass/dead leaves on bank - dead branch hanging over - twigs - rocks 	<ul style="list-style-type: none"> - no factory - no surface in the stream - grass/dead leaves/sal on bank

4. Temperature at Location farthest from my section: Section # 1. Temperature: 14.3 degrees C

5. **Area Observations:** Make observations of substances or conditions nearby the stream that you believe may contribute to thermal pollution. Record them in the box below.

- boardwalk
 - dock board
 - parking lots
 - heater hill
 - covered
 - shaded

6. In the space provided below show the simple subtraction to determine the temperature difference between each of your locations A, B and C and the temperature from the section farthest away. You will graph the temperature difference.

Location A

$$\begin{array}{r} 14.3 \\ - 11.7 \\ \hline 2.6^{\circ}\text{C} \end{array}$$

Location B

$$\begin{array}{r} 14.3 \\ - 11.5 \\ \hline 2.8^{\circ}\text{C} \end{array}$$

Location C

$$\begin{array}{r} 14.3 \\ - 11.0 \\ \hline 3.3^{\circ}\text{C} \end{array}$$

4/4

Name: Yara

Water Quality Fall Analysis/Explanation - WorkSheet

Fill in each box with notes for the test using the Guideline sheet. Next, use these notes to write up a complete explanation for that test.

Test Analysis Name: Section Header (ie. Fall Temp. Analysis)	Fall Temperature Analysis
Introduction (why we test?)	We test for temperature to see if there is abnormal temperature increase external pollution. Thermal pollution can cause disastrous effects on the stream.
Make a CLAIM about your Results: Thermal pollution? Excellent? Good? Fair? Poor?	We do not have thermal pollution, we are in the good range (between 2.1 and 5°C)
Provide EVIDENCE to support your claim (Your Temp. difference from of each location) Provide evidence from physical Observation.	The temperature difference between location A and section 1 is 2.6°C. Location B and section one difference is 2.8°C. Section c difference is 3.3°C. There can confidently say that fish can live in the water.
REASONS - explain results: Connect <u>scientific principles</u> from background information with your evidence (Test results and physical data) Are these results positive Or negative? <u>Why</u> did you get these results? What do they mean? (causes/effects) completely discuss/explain- Use info. from p.8 in your Book and your notes	Reasons: We don't have any factories dumping hot water, we don't have people cutting down trees we do have many surfaces and some particles in the water, but the reason that doesn't effect the stream is because it's cold outside so the surfaces can't heat up, and the particles can't absorb heat. These results are positive and fish also can live because warm water holds less oxygen.
Compare your results with your Predictions. Discuss.	I predicted that the temp difference would be in the good range (between 2.1-5°C) and was right. the difference was in the good range.
Conclusion. Wrap up the Section.	In conclusion, we don't have thermal pollution, our difference is in the good range, where fish can live.

Fall Temperature Analysis

Section 5

good!

We test for temperature to see if there is an abnormal temperature change, otherwise known as thermal pollution. Thermal pollution can cause disastrous effects on the stream.

We do not have thermal pollution. Our section is in the good range, (between 2.5 and 5 degrees Celsius difference.)

The temperature difference between location A and section 1 is 2.6°C. Between location B and section one is 2.8 °C. Location C and section 1 is 3.3°C. We can confidently say that we don't have temperature pollution, and that fish can live in our stream.

Some of the reasons we got these positive results is because we don't have any factories dumping hot water, and we don't have people cutting down trees. Although we do have many surfaces and particles, the reason that they aren't affecting the stream is because it is cold outside. So they can't heat up. Also, the colder the water, the better, because cold water holds more oxygen.

Nice job trying weather & rain together!

Results prove b/c fish could live if it were a broadly hot or warm water pond.

I predicted that the stream would have a temperature difference in the good range (between 2.5 and 5 degrees Celsius difference.) And I was right. The differences are, 2.6, 2.8, and 3.3 °C.

algae

In conclusion, we don't have thermal pollution, and fish can live in our stream.

W data in the good range of the stream
-15

Appendix D

♦ Quote #1

"'Fiery, huh? Well, that's the way I like 'em.' He started to put his arm around her, but Johnny reached over and stopped him.

'Leave her alone, Dally.'

'Huh?' Dally was taken off guard. He stared at Johnny in disbelief. Johnny couldn't say 'Boo' to a goose. Johnny gulped and got a little pale, but he said, 'You heard me. Leave her alone.'" (24)

» Explain the DEEP meaning of this quote. (claim, evidence, reasoning)

This quote shows how Johnny who is very quiet is actually very brave too. When Dally starts hitting on Cherry Johnny takes a stand and tells him to stop. This shows how Johnny is brave because he stood up against Dally who is really the scariest in the gang.

Appendix E

♦ Quote #2 - "It was my pride. It was long and silky, just like Soda's, only a little redder.... Our hair labeled us greasers, too - it was our trademark. The one thing we were proud of. Maybe we couldn't have Corvairs or madras shirts, but we could have hair " (70)

» Explain the DEEP meaning of this quote. (claim, evidence, reasoning)

This quote shows that identity can be decided by small things. It shows this when Ponyboy says it is his hair that labeled him a greaser, not where he lived, not how he talks, but his hair. This shows that identity can be determined by small things because identity shouldn't be decided by hair, but here, it is.

ELA APPENDIX F

Quote

“What kind of world is it where all I have to be proud of is a reputation for being a hood, and greasy hair? I don’t want to be a hood, but even if I don’t steal things and mug people and get boozed up, I’m marked lousy. Why should I be proud of it? Why should I even pretend to be proud of it?”(132)

With significant prompting

Claim – *what does the quote show about a character or theme from the book?*

This quote shows _____

Evidence – *what part of the quote supports your claim? Be specific.*

It shows my claim when _____

Reasoning – *how does the evidence support your claim?*

This evidence shows that _____ (insert claim) because _____

With minimal prompting

Claim: _____

Evidence: _____

Reasoning: _____

Appendix G

Do you agree with the historian Barbara Fields that it “would take a century for former slaves and people of color to achieve the freedom they longed for?” Do you think the Civil War in some ways is still happening?

Respond using claim, evidence and reasoning to create your explanation.

Student Response:

It would take a century after the Civil War for former slaves and people of color to achieve the freedom they longed for. The Civil Rights Movement didn't happen for another century after the Civil War. The physical fighting in the Civil War ended when the war was over. However, the mental war to fight inequality continued in the United States for a century. There are two ways to observe the Civil War still happening today. People of color took many years to reach equal voting rights and it took until the last presidential election to elect a person of color. Also, after the Civil War, many former slaves did not have nearly the same rights as other citizens. Segregation was spread throughout the southern states for at least a century. The Civil War was fought over the issue of slavery, but also over the issue of equality and rights for all people. The Civil War is still happening for many reasons. It will be happening until discrimination and inequality no longer exist in the United States.