FIND THE STORY IN YOUR DATA

RECORD. COMPARE. NOTICE.

SCIENTIST _____ PROJECT _____

RESULTS = WHAT HAPPENED

Measurements and specific observations from every trial.

CONCLUSION = WHAT IT MEANS

An answer to the question supported by the recorded evidence.

1. RECORD THE EVIDENCE

Write the result immediately after each trial. Include the same unit every time.

TRIAL	WHAT I TESTED	RESULT + UNIT	SPECIFIC OBSERVATION
1			
2			
3			
4			
5			

MY MEASUREMENT UNIT

☐ seconds ☐ minutes ☐ centimeters ☐ count ☐ drops ☐ other

2 THE PATTERN I NOTICE

Which option was highest, lowest, fastest, slowest or most consistent?

_____

_____

3 AN UNUSUAL RESULT

Which trial did not fit the pattern? Record it rather than hiding it.

_____

_____

TWO PIECES OF EVIDENCE I WILL USE

_____ _____

BUILD AN EVIDENCE-BASED CONCLUSION

ANSWER. SUPPORT. IMPROVE.

SCIENTIST _____ PROJECT _____

CONCLUSION FORMULA

Answer the question + cite the evidence + compare the hypothesis + name an improvement or next test.

1 ANSWER THE PROJECT QUESTION

State what the results show. Use the variable names from the original question.

2 USE SPECIFIC EVIDENCE

Include at least two measurements, counts or repeated observations from the results table.

3. COMPARE THE HYPOTHESIS

- ☐ The evidence supported it.
- ☐ The evidence did not support it.
- ☐ Results were mixed.

4 EXPLAIN THE RESULT

What science idea may explain the pattern?

5 IMPROVE OR TEST NEXT

Name one limitation, method change or new question.

6 MY FINAL CONCLUSION

Use supported or did not support, not proved.