Report Template

Name: _____

Partner(s): _____

Topic:

Water	Earth/Moon/Sun	Food	Plants
Chemical Reactions	Plastics	Forces	Energy Conservation

Experimental Question:

_____

_____

_____

Hypothesis (an educated guess on what will happen in your experiment):

_____

_____

_____

Variables (parts of your experiment that can be changed, measured or controlled):

1. Independent Variable (what you change in your experiment):

_____

_____

2. Dependent Variable (what you measure in your experiment):

_____

_____

3. Controlled Variable(s) (what you keep constant in your experiment):

_____

_____

Background Research:

Explore what is already known about your investigation. Use various sources such as books, magazines, websites, podcasts, etc. If someone has completed the investigation already, find out their results so you can compare them later on in the write-up. Find out information on the materials you need to use.

_____

_____

_____

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_____

_____

Sources:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Equipment:

_____

_____

_____

_____

Risk Analysis:

_____

_____

_____

_____

Method:

A method is a step-by-step recipe for your science investigation and contains enough detail that anyone could repeat your investigation exactly the way you completed it.

Ensure that the method is ...

1. numbered
2. written in the past tense
3. clear and concise

You should repeat your investigation at least three times to verify your results are consistent. If your investigation involves growing plants, you should do the experiment on at least three plants in separate pots. If your investigation involves testing / surveying groups, you will need to test / survey a large enough number of people to ensure that your results are reliable.

Safety Precautions:

_____

_____

_____

_____

_____

_____

Diagram:

Ensure that this diagram is ...

1. labelled
2. drawn in pencil
3. drawn with a ruler

Recording Results:

Step 1:

Write the results of your investigation in a data table in the space provided below.

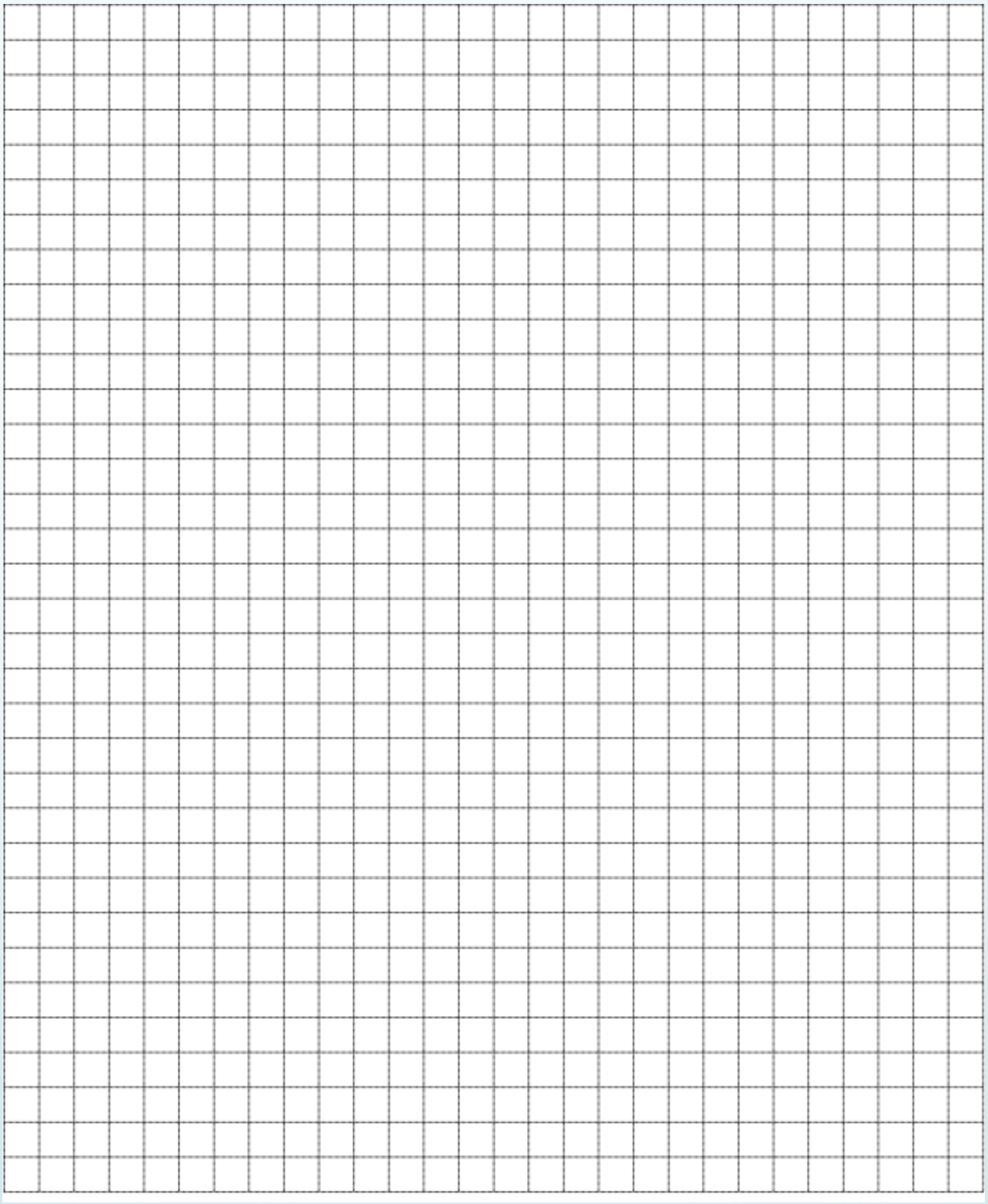
Step 2:

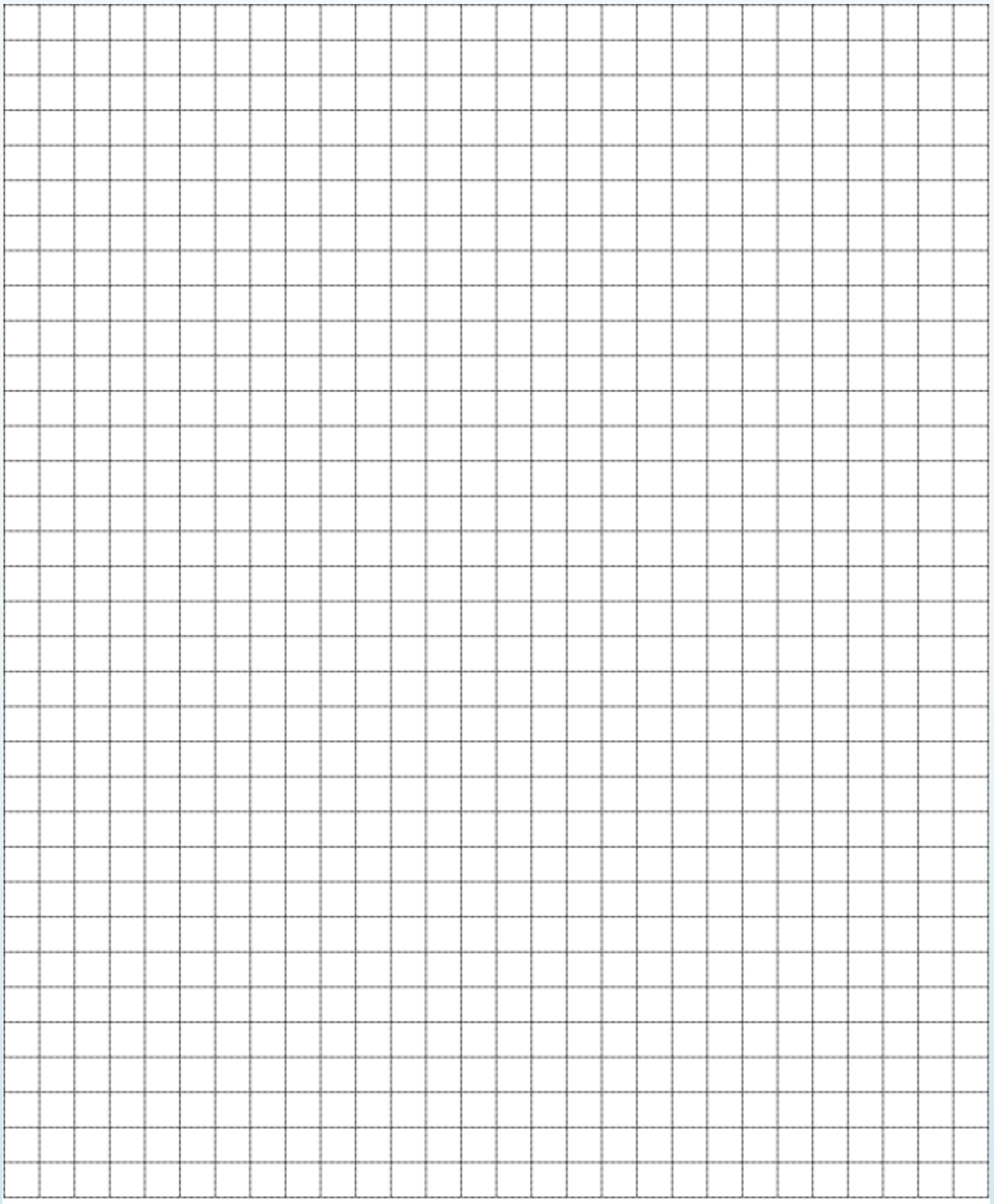
Calculate an average for the different trials of your experiment, if appropriate.

Step 3:

Use the following pages to display the data from your investigation on charts / graphs. When drawing the line graph, make sure to follow the steps below. Remember that the independent variable goes on the x-axis and the dependent variable goes on the y-axis.

Step 1	Write the title.
Step 2	Draw the x- and y-axis.
Step 3	Label the x- and y-axis (UNITS).
Step 4	Input the scale on the x- and y-axis.
Step 5	Plot the data.
Step 6	Join the points.





Discussing Results:

You must talk about what happened in your experiment. Answer the following questions:

1. What did you observe while completing your investigation?
2. What trend(s) can be seen from your analysing your results?
3. Are there any outliers in your results?

Conclusion:

You must explain your results and compare them to your hypothesis. Answer the following questions:

1. What is the relationship between the independent and dependent variable in this investigation? Answer this question referring to the results you found.
2. Do your results support your hypothesis? Explain your answer.

Reflection:

You must consider how you completed the investigation. Answer the following questions:

1. What were the strengths of your investigation?
2. What were the weaknesses of your investigation?
3. What would you change about your investigation if completing it again?
4. Is your investigation useful for everyday life?
5. What did you learn from completing your investigation?

Method:

Having completed your investigation, rewrite your method making any changes needed.

Safety Precautions:

Having completed your investigation, rewrite your safety precautions making any changes needed.

_____

_____

_____

_____

_____

_____

Diagram:

Having completed your investigation, redraw your diagram making any changes needed.

Extra Space if Needed:

Grading:

Using the Features of Quality to help, decide the grading category that you think your C.B.A. falls into and circle the grade below.

Exceptional | Above Expectations

In Line with Expectations | Yet to Meet Expectations

Submission:

Signed: _____

Date: _____