

Steps to the Scientific Inquiry Process

Early Primary (K-2)

SECTION 1

FORMING A QUESTION OR HYPOTHESIS

TITLE

Name of your experiment

QUESTION

What are you trying to find out?

HYPOTHESIS

What you predict will happen?

BACKGROUND

Tell why you think your hypothesis is true.

SECTION 2

DESIGNING AN INVESTIGATION

VARIABLES AND CONTROLS

Tell the things that change.(variables)

Tell the things that stay the same. (controls)

❖ How do you know that the test is fair?

MATERIALS

What things (materials) will you need for this experiment?

PROCEDURE

Tell how to do your experiment.

Illustrate and label your setup.

SECTION 3

COLLECTING AND PRESENTING DATA

OBSERVE, COLLECT AND RECORD DATA

Tell what you notice about your experiment. (smell, hear, see, feel)

Measure how things change

- ❖ Use a table to record your data.
- ❖ Do your experiment and write down what you learn.

PRESENT DATA

Make a graph of your data

SECTION 4

ANALYZING AND INTERPRETING RESULTS

ANALYZING

CONCLUSION

Tell what happened in your experiment.

Make sure that you talk about your hypothesis.

INTERPRETING

CONCLUSION

Did your experiment prove your hypothesis or not?

Did everything work the way you thought it would? If not, tell about it.

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Work Pages

SECTION 1

FORMING A QUESTION OR HYPOTHESIS

TITLE

QUESTION

HYPOTHESIS

BACKGROUND

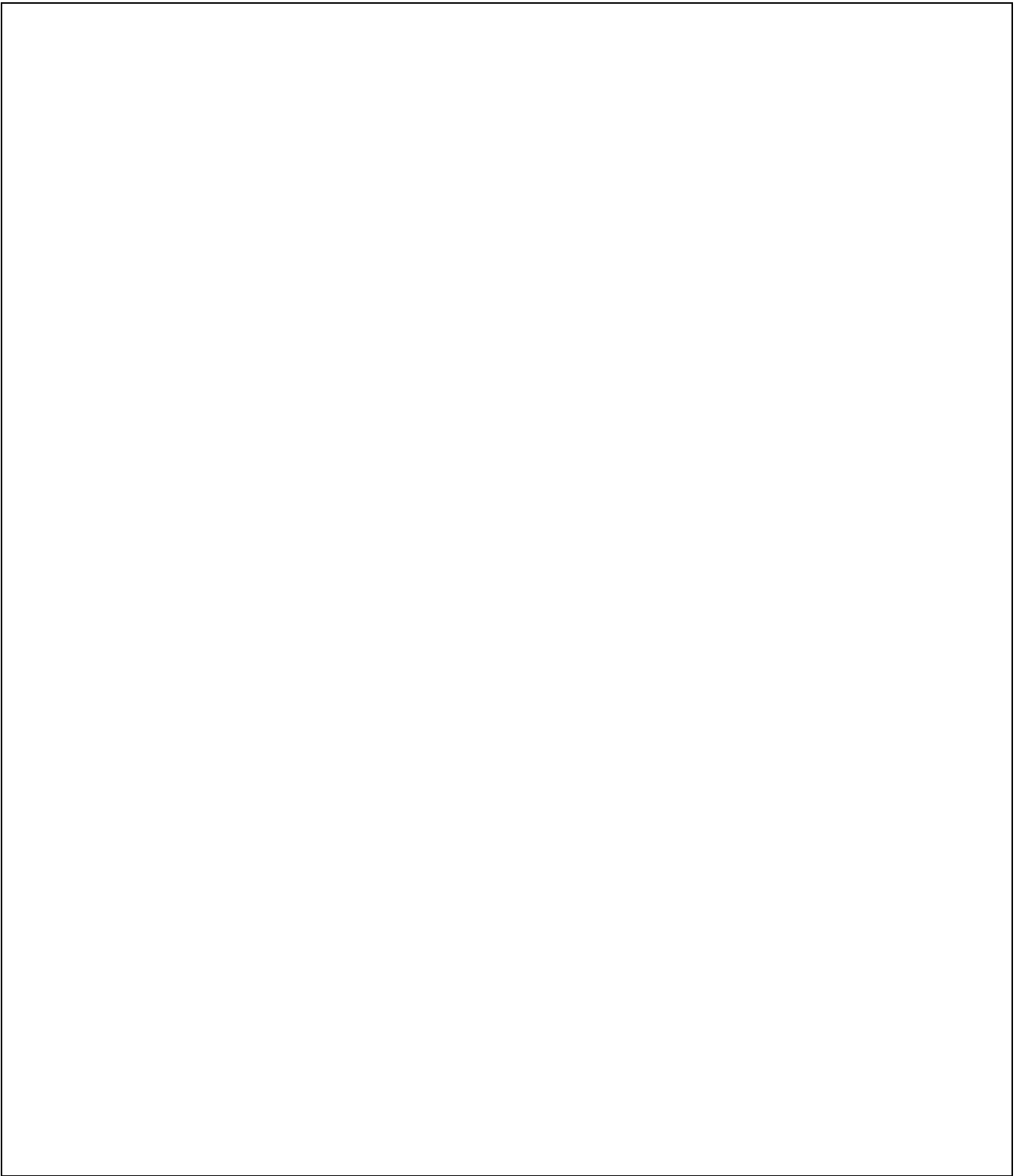
SECTION 2

DESIGNING AN INVESTIGATION

VARIABLES

CONTROLS

MATERIALS



SECTION 3

COLLECTING AND PRESENTING DATA

OBSERVE, COLLECT AND RECORD DATA

Use the Data Table provided for you

PRESENT DATA

Make a graph, table or chart that shows what you learned

INTERPRETING

CONCLUSION
