

COLLECTION

PUTTING TOGETHER

A SCIENCE FAIR

COLLECTION PROJECT

For Kindergarten and 1st Grade ONLY

Collect and organize something of interest, answering questions related to observations made while exploring your world.

I. PROBLEM (YOUR QUESTION)

Choose a topic that you are interested in learning more about. Ask a one sentence **question** that you will find the answer to by collecting something. *Examples: What kinds of insects live in my backyard? What kinds of leaves grow in my neighborhood? What different twigs grow on trees in the park by my house?*

II. HYPOTHESIS

A **hypothesis** is what you think will be the answer to your question. It is your “best guess” before you actually go and collect your evidence. It is written as one sentence. *Example: In the park near my house, there are these kinds of twigs:*

_____.

III. COLLECTION (EXPERIMENT)

- A. Materials:** Think about all the materials you will need to gather and sort your collection.
- B. Collect and Sort:** Time to have fun collecting! Once you’ve gotten your collection together, sort it in two or more different ways.
- C. Observe and record data:** Take pictures, do drawings, charts and graphs of all the ways you sort your collection. See what it looks like.
- D. Results:** Compare and evaluate the different pictures, drawings, charts and graphs you did for your collection. What do they tell you? Evaluate the results.

IV. CONCLUSION

The **conclusion** answers the hypothesis. Look at the results and figure out if they prove or disprove your hypothesis, and why.

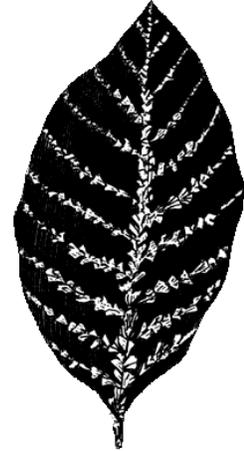
ELEMENTARY COLLECTION
WRITTEN REPORT CONTENT
Kindergarten & 1st Grade

↙ **TITLE PAGE**

See *Written Report Format* on next page.

↙ **PURPOSE**

What did you collect?
Why did you choose that to collect?
What did you want to find out?
What things will you compare?



↙ **ACKNOWLEDGEMENTS**

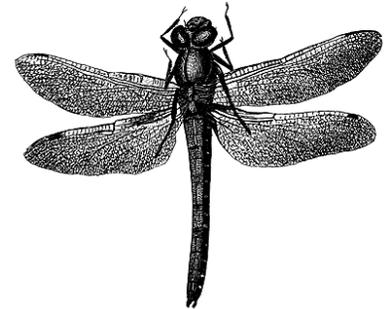
This is where you thank those who helped you with your collection.

↙ **PROBLEM (QUESTION)**

This is your question – this is what you want to find out.
(*Example:* What kinds of leaves grow in my neighborhood?)

↙ **HYPOTHESIS**

This is what you think the answer to your question might be.
(*Example:* In my neighborhood there are these kinds of leaves: _____.)



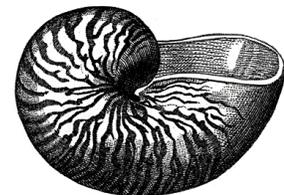
↙ **COLLECTION (EXPERIMENT)**

This is the collection that answered your question.

- A. List all of the materials you used.
- B. Sort collection in different ways.
- C. Record (pictures, graphs, charts, etc.) all of the ways you sorted.
- D. Tell why you sorted them in these ways.

↙ **CONCLUSION**

What was the answer to your problem or question?
(*Example:* There are these kinds of leaves in my neighborhood: _____.)
Tell whether it agrees or disagrees with your hypothesis.



BOXED topics are part of the rubric criteria for judging. The other parts are used only for grading the written report by the teacher.