

EDITABLE

Interactive



Organizers

For ANY topic in Grades 1-4

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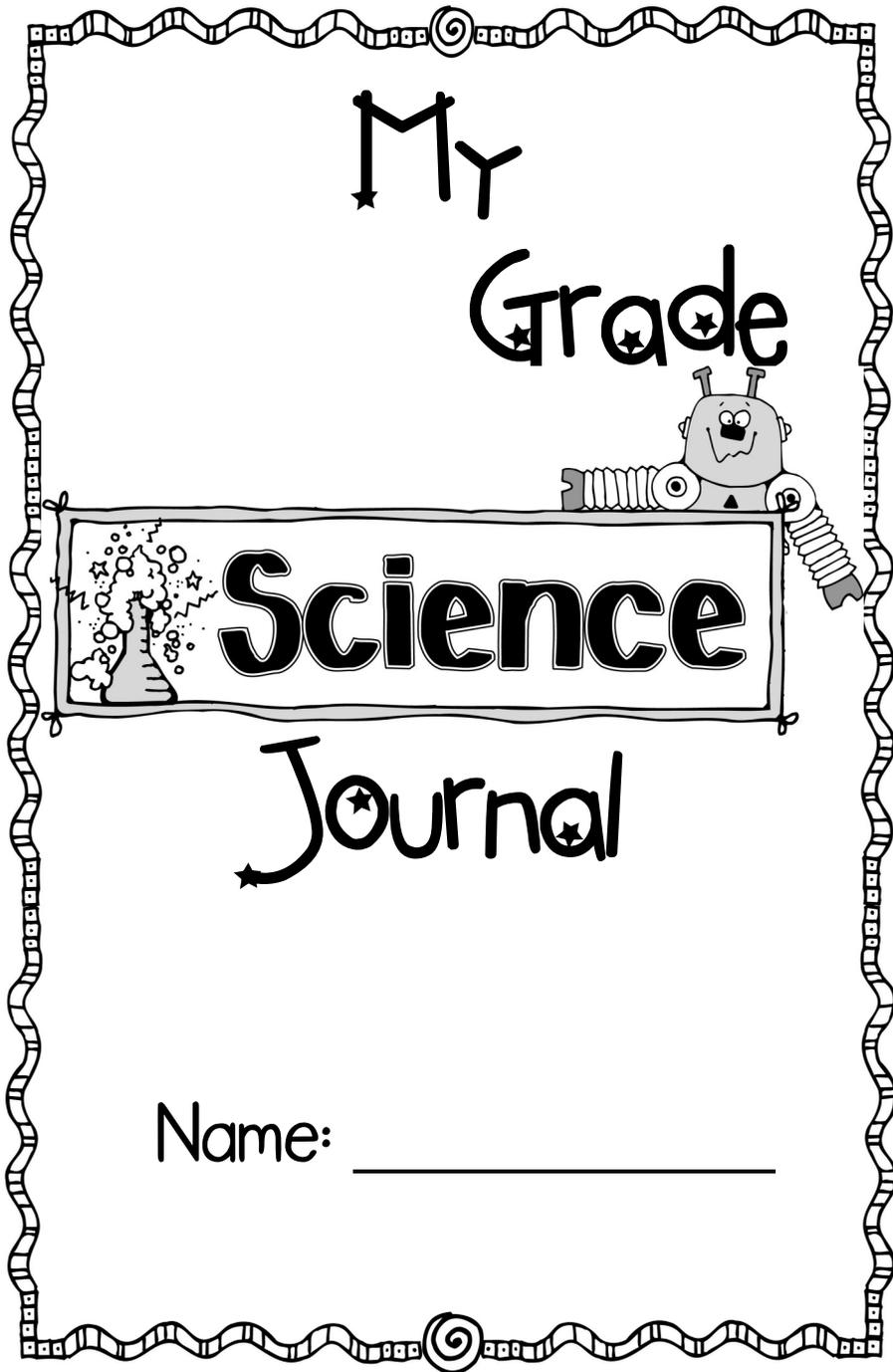
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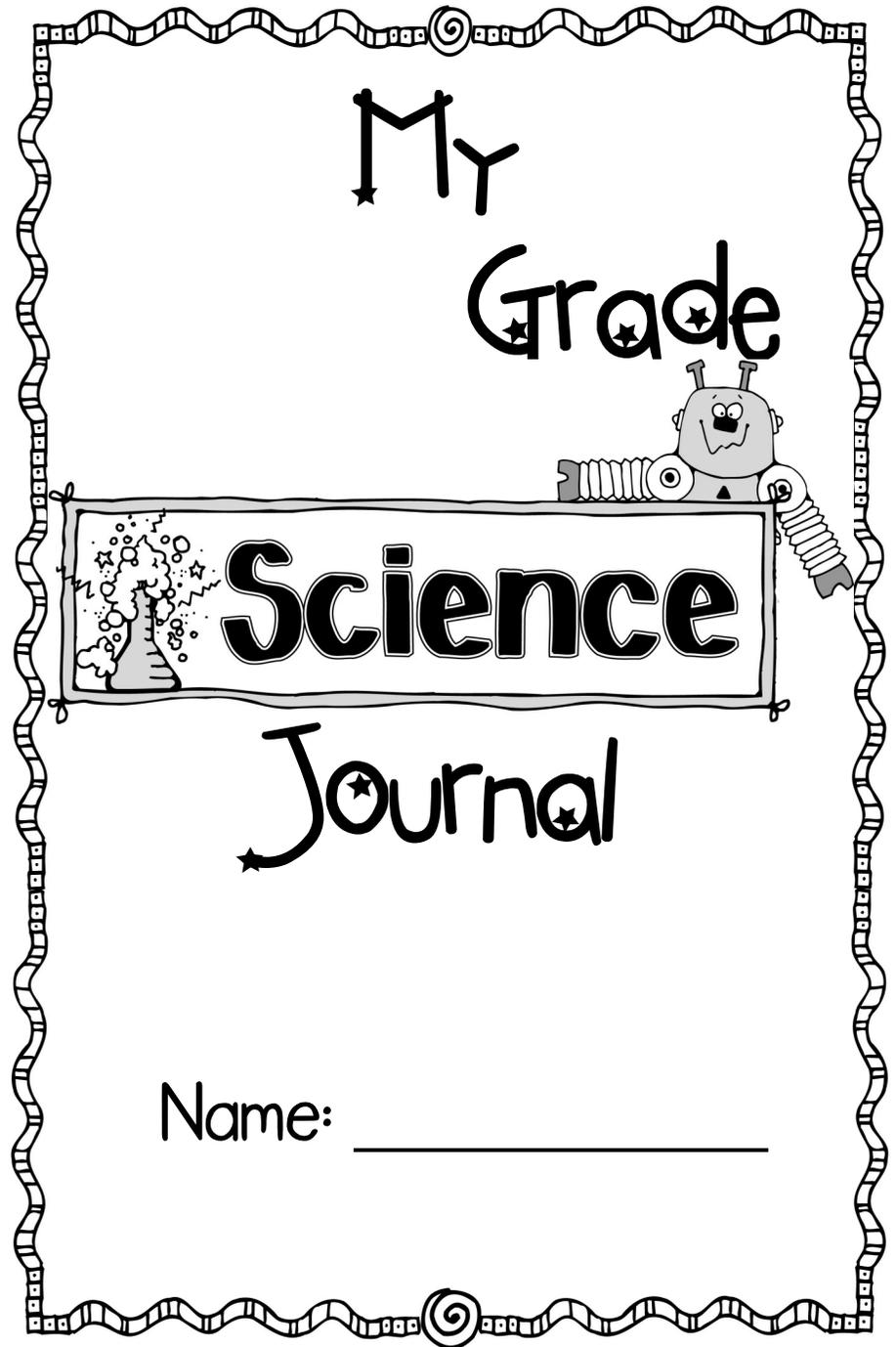
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Name: _____



Name: _____

Thinking Like a Scientist

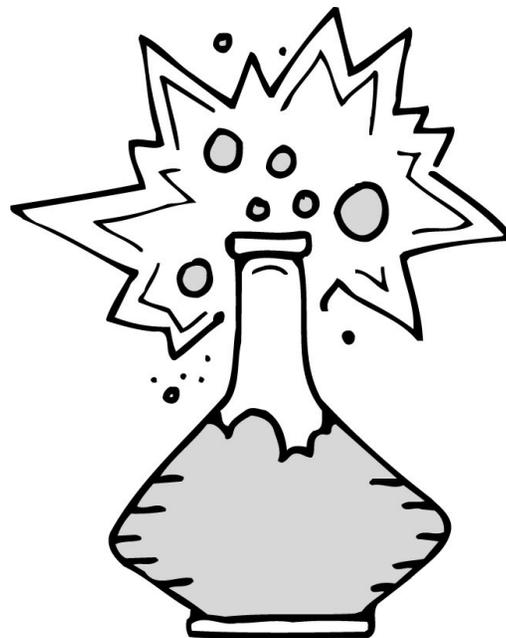
Cut out flipbook along outside box and cut apart flaps on center line.
Glue down gray tabs onto your science journal.
Underneath each flap, follow the given instructions.

Me as a Scientist

Draw a picture
of yourself as a
scientist!

- *What tools will you use?
- *What will you wear?
- *What will you do?

Play a game of Science
Charades with your
teacher to discover
the 7 things that good
scientists do!



What Good Scientists Do

Answer Key:

(Science Process Strategies and Skills)

- 1) Question
- 2) Predict
- 3) Observe
- 4) Classify
- 5) Experiment
- 6) Communicate
- 7) Be a Safe Scientist

*Teaching Suggestion:

Play 'Science Charades!' Act out each process skill or strategy for the students and have them guess what it is to record in their notebooks.

Question - Ask students scientific questions and write questions on the board.

Predict - Pull up an online weather forecast and read aloud predictions.

Observe - Choose any classroom object and describe out loud how it looks, feels, smells, tastes, and sounds like.

Classify - Use pattern blocks and classify them by color, shape, and size. Describe what you're doing out loud.

Experiment - Put all the pattern blocks in a bag and pull out one at a time without looking. Write results on a tally chart on the board.

Communicate - Look at the pattern block tally chart and make generalizations from it. Write down some claims and evidence in sentences.

Be a Safe Scientist - Put on goggles and safety gloves to handle science equipment. Handle sharp objects extra carefully.

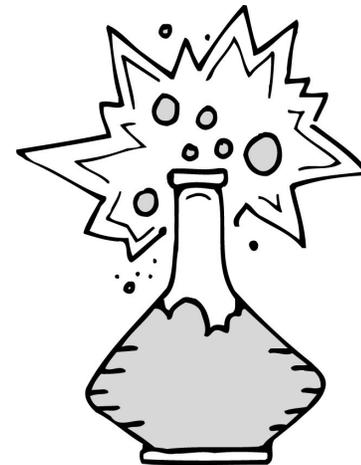
"What Good Scientists Do"

Trading Cards Pocket

What Good Scientists Do

- Cut out trading card pocket around outside edges only.
- Fold pocket in half with the gray box facing the back.
- Use a thin line of glue around the inside of the pocket closed around bottom and right side edges.
- Fold white top flap down to close pocket.
- Glue gray box down to inside cover of your science journal.
- Store trading cards inside pocket.

What Good
Scientists Do



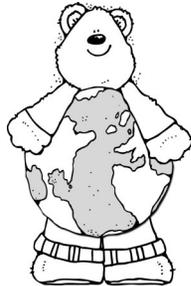
“What Good Scientists Do”

Trading Cards

Write the meaning of each science process skill on the lines.

Cut out the trading cards and store in your pocket.

Question



Predict



"What Good Scientists Do"

Trading Cards

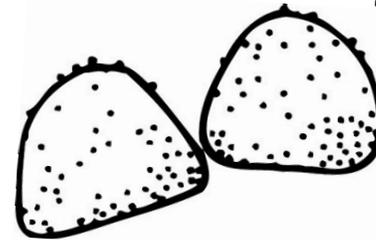
Write the meaning of each science process skill on the lines.

Cut out the trading cards and store in your pocket.

Observe



Classify



“What Good Scientists Do”

Trading Cards

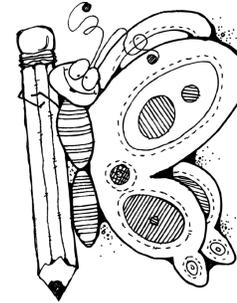
Write the meaning of each science process skill on the lines.

Cut out the trading cards and store in your pocket.

Experiment



Communicate



"What Good Scientists Do"

Trading Cards

Write the meaning of each science process skill on the lines.

Cut out the trading cards and store in your pocket.

Be a Safe Scientist



"What Good Scientists Do"

Trading Cards

Suggested Responses (Guided through discussion, hands-on application, or use of a science reference tool):

Question—What a scientist asks in order to test knowledge.

Predict—Using prior knowledge to make a scientific guess about what might happen.

Observe—To carefully inspect by looking, feeling, listening, and smelling.

Classify—To sort into two or more groups based on like properties.

Experiment—To test something unknown.

Communicate—To record scientific observations, record data using charts and graphs, and discuss scientific findings with others.

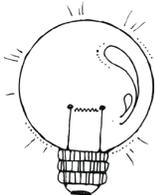
Be a Safe Scientist—Handling scientific materials with care in order to protect our bodies, live materials, and equipment.

Questioning

Cut out flipbook along outside box and cut apart flaps.

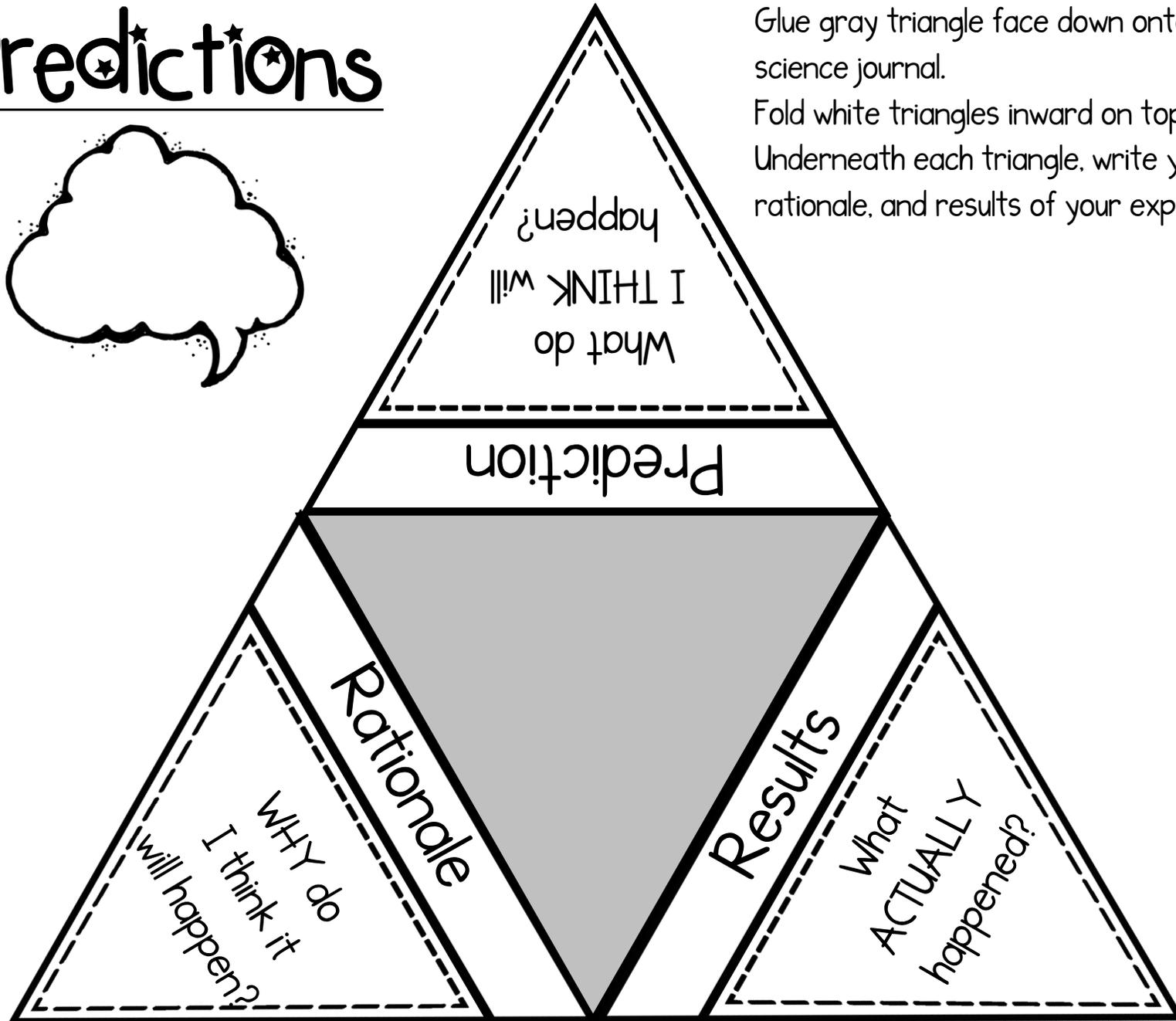
Glue down gray tabs onto your science journal.

Underneath each flap, write 3-5 statements that you already know about the topic, and 3-5 questions for things you'd like to learn about the topic.

Questioning	 <p>What I Know About</p>
	 <p>What I Want to Learn About</p>

Questioning	 <p>What I Know About</p>
	 <p>What I Want to Learn About</p>

Predictions



Cut out pyramid along outside edges.
Glue gray triangle face down onto your science journal.
Fold white triangles inward on top of one another.
Underneath each triangle, write your predictions, rationale, and results of your experiment.

Observations

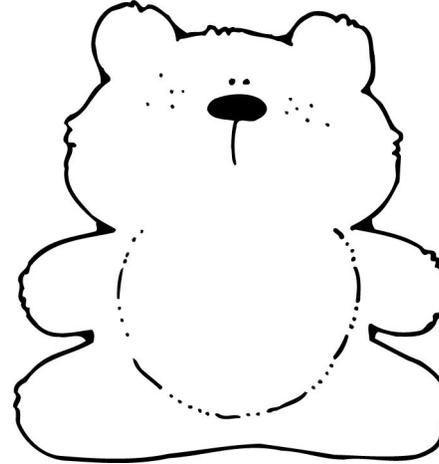
Cut out flipbook along outside box.

Cut apart flaps along center cross.

Glue down gray tabs onto your science journal.

Underneath each flap, write and draw your observations.

Looks...



Feels...



Smells...

Sounds...

Observations Over Time

Cut out flipbook along outside box and cut apart flaps along center cross.

Glue down gray tabs onto your science journal.

Record the date on top of each flap.

Underneath each flap, write and draw your observations over time.

Observations of

1

Date:

A magnifying glass with a handle and a circular lens. The lens contains the text "Date:". The handle is decorated with small dots.

3

Date:

A magnifying glass with a handle and a circular lens. The lens contains the text "Date:". The handle is decorated with small dots.

2

Date:

A magnifying glass with a handle and a circular lens. The lens contains the text "Date:". The handle is decorated with small dots.

4

Date:

A magnifying glass with a handle and a circular lens. The lens contains the text "Date:". The handle is decorated with small dots.

Observations of

Classification

Cut out flipbook along outside box and cut apart flaps.

Glue down gray tabs onto your science journal.

Classify (sort) your objects into similar groups by size, shape, or color.

Label the flaps with the title of each group.

Underneath each flap, draw and label the objects you classified.

I am classifying

Group 1:

Group 2:

I am classifying

Group 1:

Group 2:

Group 3:

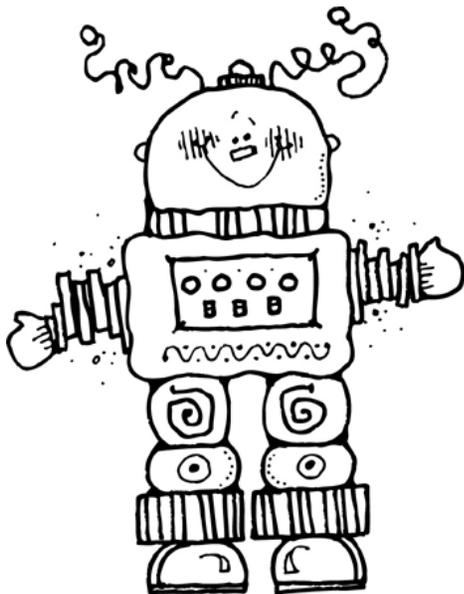
Experiment

Cut out the flipbook along the outside box.

Cut apart the flaps.

Glue the gray tab to your science journal.

Underneath each flap, write about each part of your experiment.



Experiment:

QUESTION

What are we trying to find out?

CONTROL

What is staying the same?

VARIABLE

What are we changing?

PROCEDURE

Step 1

PROCEDURE

Step 2

PROCEDURE

Step 3

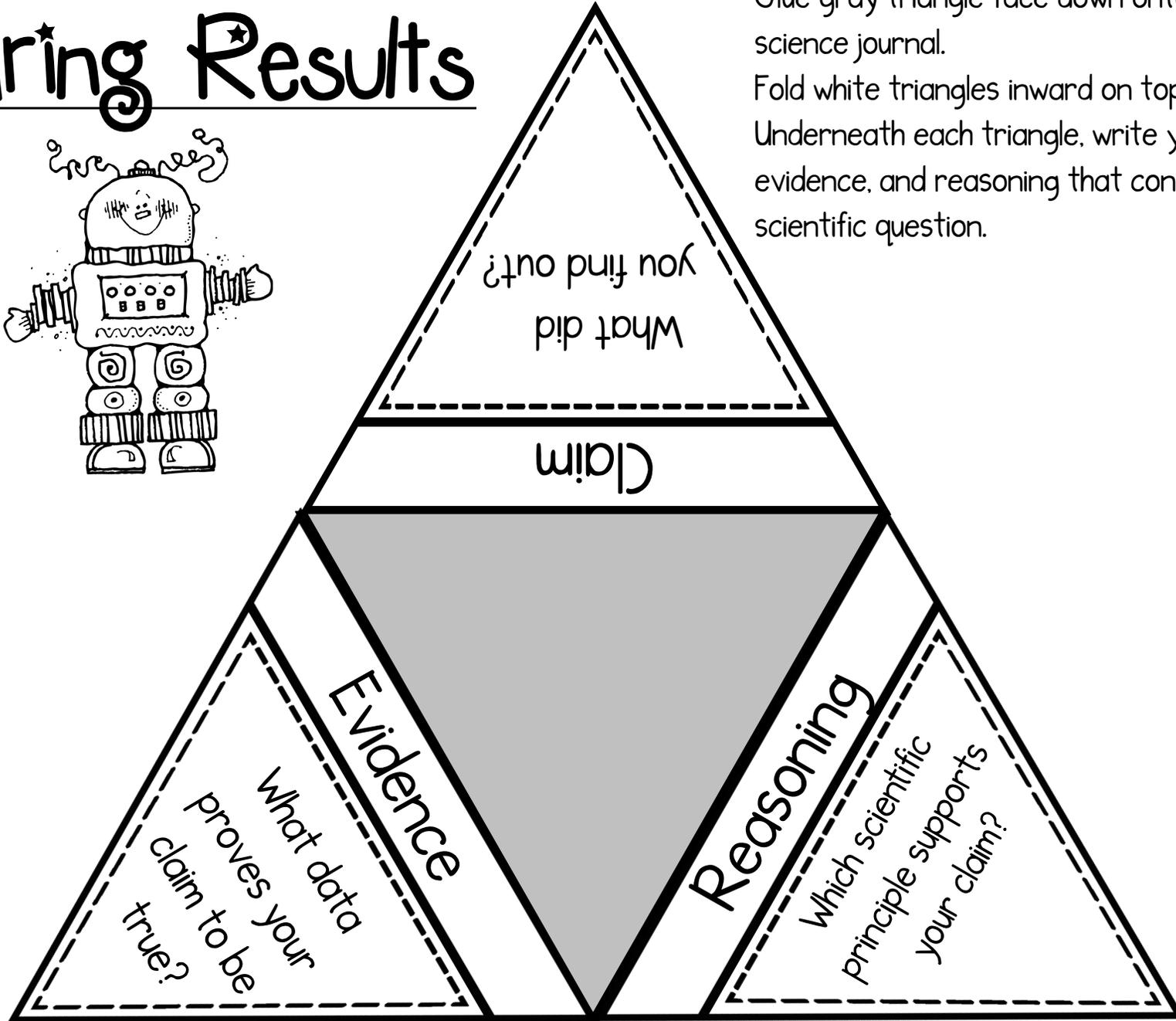
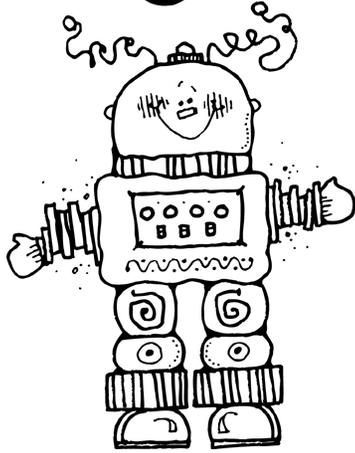
PREDICTION

What do I think might happen?

RESULTS

What actually happened?

Sharing Results



Cut out pyramid along outside edges.

Glue gray triangle face down onto your science journal.

Fold white triangles inward on top of one another.

Underneath each triangle, write your claim, evidence, and reasoning that connects to your scientific question.

5 Light Bulbs

Cut out flipbook along outside box and cut apart flaps.

Glue down gray tab onto your science journal.

Underneath each flap, write your "light bulb" moments.

5 Light Bulbs for



I noticed...



I discovered...



I was surprised
by...



I realized...



I concluded...

5 Light Bulbs for



I noticed...



I discovered...



I was surprised
by...



I realized...



I concluded...

Science Vocabulary

Cut out flipbook along outside box and cut apart flaps.

Glue down gray tab onto your science journal.

Underneath each flap, write the meaning of each vocabulary word.

Vocabulary for



Vocabulary for



Science Safety

Cut out flipbook along outside box.

Cut apart flaps along center cross.

Glue down gray tabs onto your science journal.

Underneath each flap, write and draw 4 ways to be a safe scientist.

Science Safety

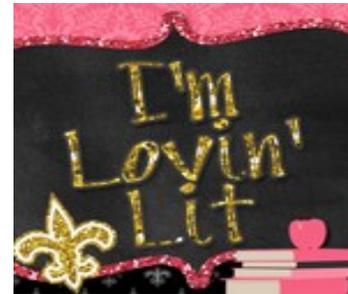


Science Safety

Credits

Created by Brooke Brown

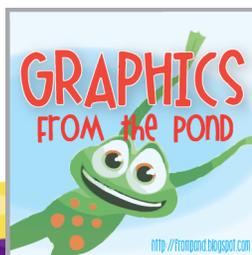
THANK YOU for your purchase!
I'd very much appreciate your feedback!



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