**Cloud Experiment**

**Question:** How are clouds formed?

**Hypothesis:** When cold air and hot air meet, they form clouds.

**Materials:**
- a glass jar
- black paper
- tape
- hot water
- a match
- ice cubes in a plastic bag

**Test the Hypothesis:**
1. First, tape the black paper around the bottom half of the jar.
2. Next, fill the jar with hot water. Leave it for about a minute.
3. Then, pour out all but three centimeters of water.
4. After that, ask an adult to light the match and hold it over the top of the jar for a few seconds.
5. Finally, cover the jar with the bag of ice cubes.

**Record and Analyze Data:** The warm air rose to the top of the jar and mixed with the cold air below the ice cubes. It formed a cloud.

**Conclusion:** This means that when warm air and cold air meet, they create a cloud of water drops.
1 Read the text. Answer the questions.

1 What is the purpose of the text?

2 Who reads about experiments?

3 Where would you see this text?

4 What is the experiment about?

2 Look at the text. Circle the materials used in the experiment.

black paper  a calculator  ice cubes  a glass jar  a match
a plastic cup  tape  test tubes  a thermometer

3 Sequencing Ideas Look at the text again. Number the sentences in the correct order.

☐ you ask a question.
☐ you analyze the results of the experiment.
☐ you test the hypothesis.
☐ you make a hypothesis.
☐ you draw a conclusion.

4 Punctuation Add commas to the sentences.

I made a volcano yesterday! First I covered the sides of a plastic cup with dirt. Next I filled the plastic cup with water. Then I added baking soda to the water. After that I watched the volcano explode! Finally I cleaned up the mess.
1 Answer the questions.

1 What will be the purpose of your text?

2 Who will read your text?

3 What sections will you include in your text?

4 What experiments could you write about?

2 Think about experiments. Brainstorm and write the words you might use.

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<th>Questions about Experiments</th>
<th>Hypotheses about Experiments</th>
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3 Research scientific experiments. Choose one. Write some ideas for your text.

4 Topic 1
4 Complete the information for your experiment.

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5 Write the procedure to test the hypothesis.

1 ...
2 ...
3 ...
4 ...
5 ...
My First Draft

1 Write the first draft of your text.

Experiment: ............................................................................................................................................................

Question: ..............................................................................................................................................................

Hypothesis: ............................................................................................................................................................

Materials: ............................................................................................................................................................... Test the Hypothesis:

1 .........................................................................................................................................................................

2 .........................................................................................................................................................................

3 .........................................................................................................................................................................

4 .........................................................................................................................................................................

5 .........................................................................................................................................................................

Record and Analyze Data: ........................................................................................................................................

Conclusion: .............................................................................................................................................................

My Classmate’s Checklist

2 Exchange books with a classmate. Read the sentences. Mark (√) Yes or No.

1 The text is about an experiment. Yes ☑ No ☐

2 There is a question and a hypothesis. Yes ☑ No ☐

3 There is a list of materials and a test procedure. Yes ☑ No ☐

4 The test procedure has sequence words. Yes ☑ No ☐

5 There are observations and a conclusion. Yes ☑ No ☐
3 Rewrite your text.

Experiment: ________________________________________________________________

Question: ________________________________________________________________

Hypothesis: ________________________________________________________________

Materials: ________________________________________________________________

Test the Hypothesis:
1 ________________________________________________________________
2 ________________________________________________________________
3 ________________________________________________________________
4 ________________________________________________________________
5 ________________________________________________________________

Record and Analyze Data: _____________________________________________________

Conclusion: ________________________________________________________________

My Classmate’s Checklist
4 Exchange books with a classmate. Read the sentences. Mark (√) Yes or No.

1 The text is about an experiment. Yes ☐ No ☐

2 There is a question, a hypothesis and a list of materials. Yes ☐ No ☐

3 The test procedure has sequence words. Yes ☐ No ☐

4 There are observations and a conclusion. Yes ☐ No ☐

5 There are commas after sequence words. Yes ☐ No ☐
Title:

My Checklist

Read the sentences. Mark (✓) Yes or No.

1. I can research experiments. Yes [ ] No [ ]
2. I can write a lab report about an experiment. Yes [ ] No [ ]
3. I can organize information sequentially. Yes [ ] No [ ]
4. I can use sequence words. Yes [ ] No [ ]
5. I can use commas with sequence words. Yes [ ] No [ ]