Write two things you learned about penguins today.

1. __________________________________________
   __________________________________________
   __________________________________________

2. __________________________________________
   __________________________________________
   __________________________________________

Write two things you would like to ask a scientist about penguins or Antarctica.

1. __________________________________________
   __________________________________________

2. __________________________________________
   __________________________________________

Penguin Life Cycle

Stage One:

Stage Two:

Stage Three:
<table>
<thead>
<tr>
<th>Penguin Life Cycle</th>
<th>Penguin Vocabulary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage Four:</td>
<td>Colony (rookery):</td>
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<td></td>
<td>Pebble Nests:</td>
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<td></td>
<td>Fasting:</td>
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<td>Regurgitates:</td>
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<td>Crèche:</td>
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<td>Fledglings:</td>
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<td></td>
<td>Tobogganing:</td>
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<tr>
<td>Stage Five:</td>
<td></td>
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</tbody>
</table>
Penguin and Butterfly Life Cycle Venn Diagram
Center Activity 1: Waterproof Feathers

Write a complete sentence when you report your findings.

What happened to the water on the colored penguin?
____________________________________
____________________________________
____________________________________
____________________________________

What happened to the penguin that was not colored?
____________________________________
____________________________________
____________________________________
____________________________________

Center Activity 2: Why do penguins have different wings?

Write a complete sentence when you report your findings.

Which wing was easier to push through water?
____________________________________
____________________________________
____________________________________
____________________________________

Which wing do you think is best for swimming? Why?
____________________________________
____________________________________
____________________________________
____________________________________

Write a complete sentence when you report your findings.
Center Activity 3: The Balance Behind Penguins

Write a complete sentence when you report your findings.

Which ruler was easier to balance (up-and-down or side-to-side)?

What would happen if a penguin leaned over?

Center Activity 4: Build a Nest Like a Penguin

Write a complete sentence when you report your findings.

Was it easy to build a penguin nest?

Why do you think the penguins build their nests out of pebbles?

Did your egg get wet?
Center Activity 5: Toboggan and Walk Like a Penguin

Write a complete sentence when you report your findings.

Now that you have walked and tobogganed, why do you think penguins toboggan?

__________________________________
__________________________________
__________________________________
__________________________________
__________________________________

Is it easier to toboggan or walk like a penguin?

__________________________________
__________________________________
__________________________________
__________________________________
__________________________________

My Penguin Poem

__________________________________
__________________________________
__________________________________
__________________________________
__________________________________
Global Warming Experiment

Observations:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
Global Warming Experiment Continued

Answer the following questions.

What happens to the sea level when the ice melts in dish 1?
__________________________________
__________________________________

What happens to the island as the water level rises in dish 1?
__________________________________
__________________________________

What happens when the floating pieces of ice melt in dish 2?
__________________________________
__________________________________

Why do you think the water level stays the same in dish 2?
__________________________________
__________________________________

What Can I Do to Reduce Greenhouse Gases?

1. List three things that you do at home that use electricity?
__________________________________
__________________________________
__________________________________

2. List three activities you could do that would not produce greenhouse gases.
__________________________________
__________________________________
__________________________________