

## Activity Sheet 2: Studying Canada's Arctic Ecosystem

Whether you choose to present your research as the Diorama of an Arctic Ecosystem, or the Dramatic Presentation to the Board of Directors, you will need to understand Canada's arctic.

Write down everything you know about Canada's arctic, including animals, vegetation, resources and climate.

Now, write down some ideas of what you would like to *learn* about the ecosystem to help your task.

Using the Arctic Studies Centre website

(<http://www.mnh.si.edu/arctic/html/wildlife.html>), click on the Birds, Mammals and Sea Mammals tabs at the top of the page. Pick 2 organisms from each section. You can use these animals in your presentation or diorama.

What does this mammal look like? (Draw it, copy and paste it, or describe it)

What does it eat? Does anything eat it?

How has it adapted to the harsh arctic conditions? (IE: fur? blubber?)

How close would it live to the sea, if an oil spill were to occur?

Are there any interesting facts about the animal you would like to include here?

Animal 1	Animal 2

Animal 3

Animal 4

Animal 5

Animal 6

# **Studying The Arctic Landscape**

Now, visit Environment Canada's website (<http://www.mb.ec.gc.ca/nature/ecosystems/da00s04.en.html>). There is a link in the RESOURCES section of the web page.

Part A:

Scroll down the page. Below the map are listed the 6 main parts of Canada's Arctic Ecosystem. What are they? The first one is listed for you.

1. Arctic Cordillera

- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_

Part B:

Click on 3 of these unique ecosystems to understand the Landforms and Climate, and the Plants that exist here. Ask your teacher if you can copy, paste and print some of these pictures. You can use these images to help your presentation, or to help build your diorama.

Type of Ecosystem	Physical Features of that Ecosystem (IE Mountains, Tundra, Trees, etc)
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