

# Science 8

## Ecology

### Amazing Adapting Animal

By Chris Wejr  
Brookwood Secondary

# Amazing Adapting Animal

You are a zoologist studying the adaptations of animals in severe conditions. With the condition given to you by the teacher, you will:

1. Write a journal entry/story for the day you first discovered the new animal. Your journal/story should include the date of discovery, your exact location, the weather conditions, the animal's characteristics, how you came across your animal, what it was doing at the time, how close you could get to the animal, as well as any other details that you feel are important. List all the observations you made that day (i.e. how your animal eats, moves, avoids predators, etc.). Make your discovery as exciting as possible. This discovery could change the way the world views the theory of natural selection!!!  
(Length: 1-2 pages typed OR 2-3 pages written. DOUBLE SPACED!)
2. Make notes and draw sketches of 7 adaptations that your animal has to survive in the severe conditions. Make sure to give your hypotheses of the reasons for their adaptations. Include adaptations for obtaining food, staying warm/cool, avoiding predators, transportation, and surviving the elements.
3. Draw a picture of your animal. Include labels of all adaptations.
4. Name your animal. Use a scientific name. (i.e. Gorillacool Wejrensis for a gorilla who lives in cool weather discovered by C. Wejr).
5. Include a title page with the name of your animal, your name, block, and date.

## Evaluation:

**Total: 25 marks**

1. Journal Entry/Story > Required details (location, characteristics, etc.)	9 marks
2. Adaptations > Hypotheses of reasons > Sketches	7 marks 3 marks
3. Picture > Properly labeled > Title (scientific name) > Neatness	2 marks 1 marks 2 marks
4. Title Page	1 mark

1. You are in the snowy peaks of the Himalayas climbing Mt. Everest at about 15 000 feet above sea level. The wind is howling and the temperature is approximately  $-52^{\circ}\text{C}$  (without the wind).
2. You are traveling through the Sahara desert. The temperature is approximately  $67^{\circ}\text{C}$  during the day but drops way down at night.
3. You are on an ice island off the coast of Greenland. The temperature is approximately  $-45^{\circ}\text{C}$ . The island is in darkness for the majority of the day.
4. You are on an island in the south pacific. There are many rock cliffs, a few trees/shrubs, and a lot of salt water. The temperature can reach up to  $45^{\circ}\text{C}$  and the island is subject to many storms every week.

1. You are in the snowy peaks of the Himalayas climbing Mt. Everest at about 15 000 feet above sea level. The wind is howling and the temperature is approximately  $-52^{\circ}\text{C}$  (without the wind).
2. You are traveling through the Sahara desert. The temperature is approximately  $67^{\circ}\text{C}$  during the day but drops way down at night.
3. You are on an ice island off the coast of Greenland. The temperature is approximately  $-45^{\circ}\text{C}$ . The island is in darkness for the majority of the day.
4. You are on an island in the south pacific. There are many rock cliffs, a few trees/shrubs, and a lot of salt water. The temperature can reach up to  $45^{\circ}\text{C}$  and the island is subjected to many storms every week.