

# Keeping Warm in a Cold, Cold Place!

Antarctica is the coldest place on earth. In the winter time, temperatures can drop to -127 Fahrenheit degrees, but even in the summer temperatures rarely get above freezing. Yet lots of animals like penguins, seals, even some humans are able to live there despite the cold. How do they do it? Especially without clothes?

## Penguins: Built for the cold

Penguins are birds that live in Antarctica. They have thick feathers that are small and very close together. The feathers have oil on them. The oil stops cold water from getting through and touching the penguin's skin. Under the skin, penguins have a thick layer of fat. The fat keeps them warm.

### How do penguins stay warm?

dark colored feathers absorb heat from the sun

thick layer of fat under their skin

not much blood needed in feet so warm blood stays in their body

Note: Penguins also huddle close together in groups for warmth

## Coldest Places on Earth

Exact Location	Continent
1. Dome Fuji, Antarctica	Antarctica
2. Vostok, Russia	Europe
3. Dome A, Antarctica	Antarctica
4. Amundsen, Antarctica	Antarctica
5. Mt. McKinley, Alaska	North America
6. Oymyakon, Russia	Europe
7. Verkhoyansk, Russia	Europe
8. Klinck, Greenland	North America
9. North Ice, Greenland	North America
10. Yukon, Canada	North America

## Keeping people warm

Not many humans live in Antarctica. It is a cold environment that our bodies are not used to. There are two types of people who travel to Antarctica - scientists and tourists. They have both learned how to stay warm in such a **harsh** environment.

When they are outside working, scientists wear many layers of special clothing. Many of the coats people wear are filled with down feathers. Down feathers are real feathers from ducks and birds. The feathers can keep humans warm just like they keep the birds warm.

RI.3.5

- What are three text features used in the passage? Describe how the text feature used can help the reader to better understand the text.

Name of text feature...	How does this text feature help the reader to better understand the text?

-  Color every sentence in the text or in the diagrams that explains how a penguin stays warm in Antarctica.

What information is in the diagram that is NOT in the text?

-  Color where the reader can find the second coldest place on Earth.

- Underline three important words in the text.

- Summarize what you learned about life in Antarctica.

Complete Sentences	Cite the Evidence	Restate the Question
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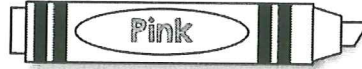


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6. Write three questions where the answer could be found in the text. Then find the answer to your question and color it.

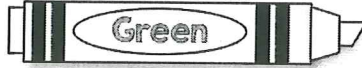
1. \_\_\_\_\_

Color the answer to your question



2. \_\_\_\_\_

Color the answer to your question



3. \_\_\_\_\_

Color the answer to your question



7. Write one WORD that describes the main idea of the text: \_\_\_\_\_

8. What are three key details in the text that support the main idea?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

9. Describe HOW one of these key details supports the main idea.

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10. Find the underlined word, down in the text. Use the context clues to explain what this word means. Circle the words in the text that are a clue to the meaning of the word.

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