

Bricks

Reading



E-BOOK



MP3

2

170

NONFICTION

Bricks

Bricks
Reading
170²



NONFICTION

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OBJECTIVE:
Students will learn
how emperor
penguins survive
in Antarctica.

How to Beat the Cold

**Let's Get
Ready!**

How cold do you think the South Pole is?
What do you know about penguins?



NEW WORDS

Listen and repeat the words. **Track 02**



temperature



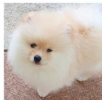
survive



layer



stiff



fluffy



huddle

WORD STUDY

Meanings of New Words
Uses of Words in Context
Word Expansion: stiff

Look at the pictures and choose the correct words.

1



A shuttlecock has 16 (heavy | stiff) feathers.

2



There are many (layers | lights) of pancakes.

3



We (huddle | spread) together to take a picture.

Read and write the correct words.

temperature survive fluffy

1 Joe cleans a desk with a _____ duster.

2 The _____ outside is zero degrees.

3 People need food and water to _____.

Word Expansion



Stiff icicles are under the roof.

adj. **stiff**



I woke up with a **stiff** neck.

How to Beat the Cold

Track 03

Antarctica is located at the South Pole. It is covered by ice. It is the coldest place on Earth. In winter, the **temperature** can be -89°C ! Emperor penguins live in Antarctica. They are the largest of all penguins.

How can emperor penguins **survive** in this harsh cold? Their feathers help them beat the cold. A **layer** of outer feathers is **stiff**. It keeps out cold air and water. A layer of inner feathers is warm and **fluffy**. It protects the penguins from icy winds.





READ & SAY!

- How cold can Antarctica get?
- Why do emperor penguins huddle together in groups?

Emperor penguins have a special way to stay warm. They **huddle** together in groups. The penguins on the outside of the group are cold. The penguins on the inside are warm. Inside the huddle, the temperature can be around 20°C. Soon, the outside penguins move into the warm spots of the huddle. The inside penguins move to the outside of **it**. Huddling is important for emperor penguins to survive in Antarctica.

Antarctica is cold for emperor penguins, but they know how to survive there!

You Know What?

Antarctica Facts

- More than 98% of Antarctica is covered with ice.
- It gets less than 25 cm of rain per year. This makes Antarctica a cold desert.

COMPREHENSION

Read and choose the correct answers.

- 1 What is the passage mainly about?
 - a. emperor penguins in Antarctica
 - b. penguin species around the world
 - c. why Antarctica is very cold
- 2 Where is Antarctica located?
 - a. at the North Pole
 - b. at the South Pole
 - c. at the center of Earth
- 3 Emperor penguins are _____ of all penguins.
 - a. the fastest
 - b. the smallest
 - c. the largest
- 4 What do emperor penguins' outer feathers do?
 - a. They help the inner feathers grow.
 - b. They help the penguins breathe in fresh air.
 - c. They keep out cold air and water.
- 5 Which is **not** true about huddling?
 - a. Inside the huddle, the temperature can be around 20°C.
 - b. Emperor penguins huddle together to hunt for food.
 - c. The inside penguins move to the outside of the huddle.
- 6 What does the word "**it**" refer to?
 - a. a penguin
 - b. the temperature
 - c. the huddle



WRITE IT!

the largest of all

Read the sentence with the phrase "the largest of all." Make your own sentence using it.

Emperor penguins are **the largest of all** penguins.

Sample answer: *Blue whales are the largest of all animals.*

PARAGRAPH SKILL

Choose the best place for the sentence.

It keeps out cold air and water.

How can emperor penguins survive in this harsh cold?

- a** Their feathers help them beat the cold. **b** A layer of outer feathers is stiff. **c** outer feathers is stiff.

ORGANIZE IT! Main Idea & Details

How do emperor penguins survive in Antarctica? Complete the chart.

How Emperor Penguins Survive



Two Layers of Feathers

A layer of outer feathers is stiff. It keeps out cold air and water. A layer of inner feathers is _____. It protects the penguins _____.



Huddling in Groups

The penguins _____.
_____. The penguins on the inside get warm. Soon, the outside penguins _____
_____ of the huddle.

huddle together to stay warm
warm and fluffy

from icy winds
move to the warm spots