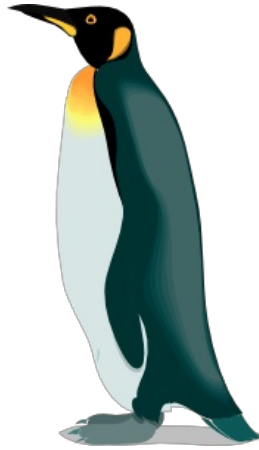


# Emperor penguins in Antarctica

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This task is about making inferences about how features of a penguin help it survive in Antarctica.



Emperor penguins have special physical and behavioural features that help them survive in cold climates, e.g., Antarctica.

For the following questions, explain how each adaptive feature helps the penguin keep warm in a very cold climate.

## Adaptive Feature

## How it helps the penguin survive

i) Layer of blubber

## Adaptive Feature

## How it helps the penguin survive

ii) Feathers are short and overlap to keep water out

## Adaptive Feature

## How it helps the penguin survive

iii) Underneath the outer feathers is a layer of down

**Adaptive Feature**

iv) Large body size

**How it helps the penguin survive**

**Adaptive Feature**

v) Huddle together in groups

**How it helps the penguin survive**

**Adaptive Feature**

vi) Take turns to be on the outside of the group

**How it helps the penguin survive**

**Adaptive Feature**

vii) Can balance on the backs of their heels and tails

**How it helps the penguin survive**

**Adaptive Feature**

viii) Feathers cover their knees

**How it helps the penguin survive**