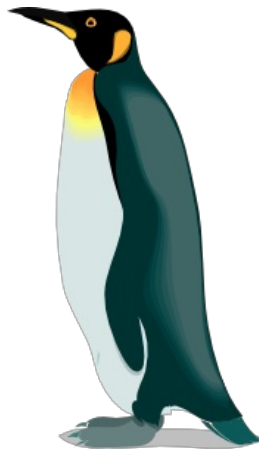


Emperor penguins in Antarctica

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