

How do penguins stay warm?



You'll need

200g Lard

Latex gloves

Ice

Water

Medium sized container

Stop watch



Instructions

Half fill the container with water and ice.

Carefully place your hands in the water and time how long before it becomes uncomfortable.

Put a latex glove on one hands.

Cover the gloved hand with lard.

Place the gloved hand in the water and again time how long it takes to feel uncomfortable.

The lard acts as an insulator protecting your hands from the cold of the icy water.

Challenge

Find out why penguin's feet don't freeze.

Polar Bears also have a thick layer of blubber and hollow, colourless fur which traps heat from the sun helping to keep them warm in winter. How do you think Polar Bears cool down in summer?

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Adult supervision required. You are responsible for your own safety.

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