

# 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.  
Place a latex glove on both hands.  
Cover one glove with lard.  
Place both hands in the icy water.  
Which hand feels cold the fastest?

**The lard acts as an insulator protecting your hands from the cold of the icy water, just like penguin blubber!**

## Challenge

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

Penguins have a thick layer of blubber and thick feathers to help keep them warm.

Science Sparks <sup>TM</sup>

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

[www.sciencesparks.com](http://www.sciencesparks.com)