

SAVE OUR SEAS



SURF CLOTHES

ACTIVITY 2: DESIGN & TECHNOLOGY

Lesson Objective

- Learn about the manufacture of wetsuits.

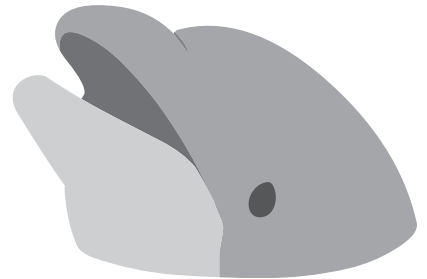
Introduction

Why do surfers in Britain need wetsuits?

- Because the sea is cold!
- Even in the summer, our sea temperature doesn't rise about 17°C. In winter, the temperature of the sea ranges from 8°C to 10°C.
- Your body temperature is 37 °C (98.6 °F).

Duffy says,

"I'm a warm-blooded mammal just like you. My body temperature is 36°C. A thick layer of fat under my skin (called blubber) helps keep me warm."



Surf fact Your body cools 30 times faster in water than on land.

How do wetsuits keep you warm?

A snug fitting wetsuit keeps a thin layer of water between your skin and the suit. Your body heat is insulated by the material made from neoprene (a sort of flexible manmade rubber), and warms this thin layer of water.

The closer the fit of the suit to your own body shape, the warmer the wetsuit will be.

A warm, winter wetsuit is called a 'steamer'.

Did you know?

The zips on wetsuits are usually at the back. This is because when surfers and bodyboarders paddle their boards, they lie on them.

Design your own wetsuit

Think about:

- Getting the suit on and off (you'll need a zip)
- Flexibility – so you can move your arms, legs and head
- Seams leak, so don't have too many of them
- Colours – most wetsuits are black. But they don't have to be. In fact, to make you more visible in the sea, you might want to design a more colourful wetsuit.

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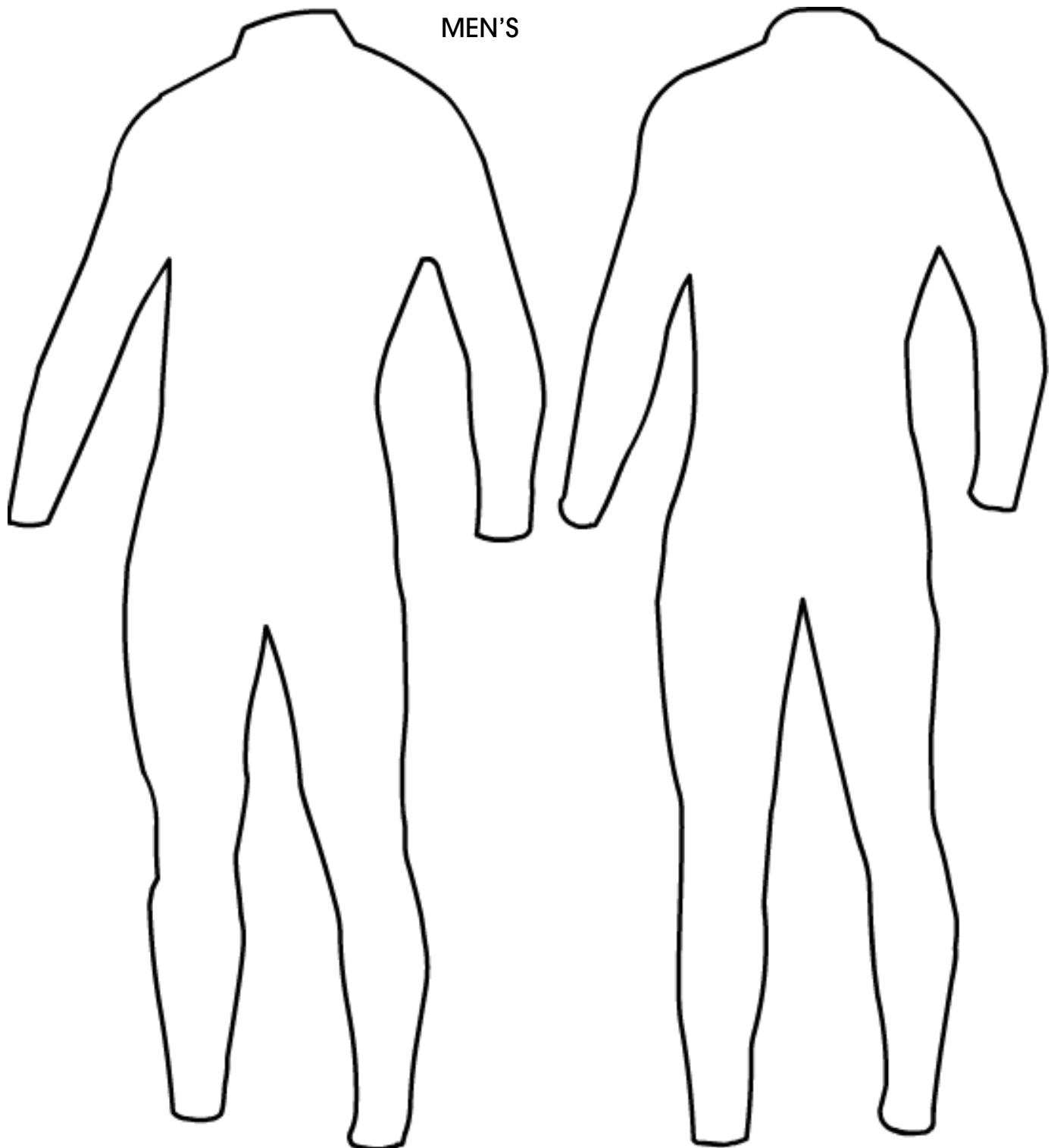


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You could also email your finished design to dearduffy@sas.org.uk. Each entry will receive a free SAS sticker or Rip Curl key ring.

Look at the raps, poems, music and photos posted by other children at www.sas.org.uk/sos/gallery/



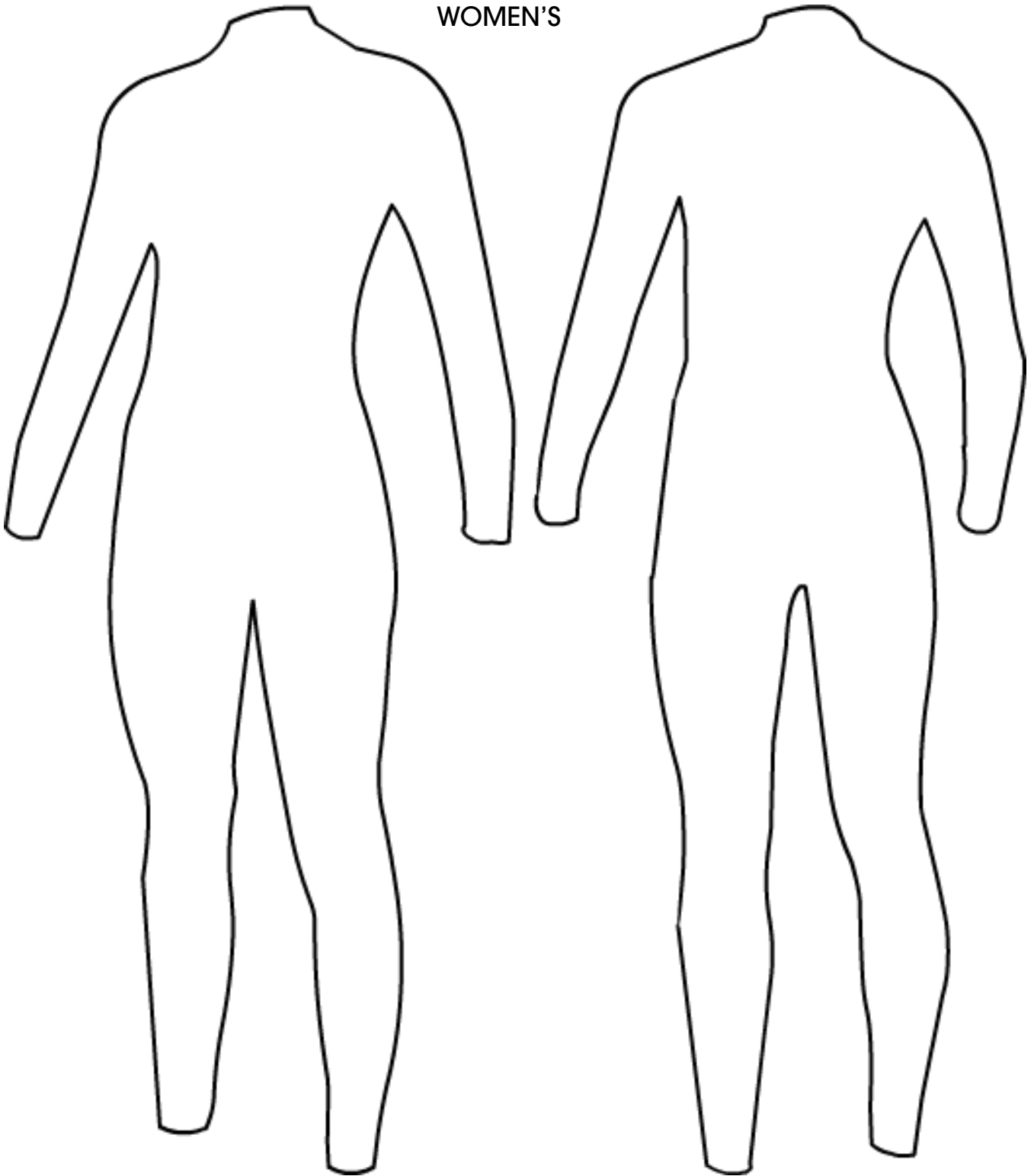
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WOMEN'S



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Here are some ideas to give you some inspiration

