

# Suzy's World

## Shoe Test - What is the best kind of shoe to wear at the beach?

### Facts

- The shoes need to suit the beach conditions.
- You need to be able to walk along the sand and over rocks easily in them.
- They need to be resistant to seawater.
- Your feet need to be protected from dangerous elements (shells, rocks).
- The shoes need to be comfortable.



### Do you know

- Seawater is corrosive on many materials. It breaks the fibres down and eats away at the material.
- You should never wear gumboots near water, especially when you are out on a boat. If you were to fall in the gumboots would fill with water and make you sink.

### Experiments you can do

Do the seawater test

#### What you need:

Scraps of leather, vinyl, plastic, wool and metal

Plastic container of sea water

#### What you do:

Look at the different scraps, before you put them in the seawater and write down what they looked like.

Then place the scraps of different materials into the container of seawater.

You'll need to leave the items in the seawater for some time – maybe even weeks so find a place where your experiment won't get disturbed. Note how long it takes for the seawater to work on the different materials. What does it do to them?



### Other Investigations

Find out the effects of saltwater on buildings near the sea.

How does seawater effect bikes and cars?

Does it have any effect on concrete pathways or tarseal road surfaces?

### Jokes

What shoes are gritty between the toes? Sand shoes.