

Choosing the right material for the job

materials

What you need: cotton or mixed fabric samples (about 10 cm squares) · clear plastic sheet or bag samples (about 10 cm squares) · aluminium foil samples (about 10 cm squares) · card or cardboard samples (about 10 cm squares) · shallow plastic tray · water in a jug or cup · dropper or teaspoon · scrap of printed paper for transparency test · dry paper or paper towel for waterproof underside check · paper bag and plastic bag for the hook (or IWB photos) · cloths or paper towels for spills · Investigation Journal page

Words to use

Property · Waterproof · Strength · Flexible · Transparent

Our question

Which of our materials are waterproof, strong, flexible and transparent?

I predict...because...

What we found out

Our comparison

Head each empty column with one thing you tested for, then fill in a row for each thing you tested.

What we tested				

Which material passed the tests that matter for keeping things dry?

Which material would be a poor choice for a window, and why?

