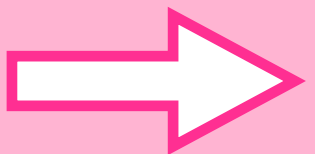


Everyday Materials

Today we will be...

Doing an experiment to find out which materials are waterproof.

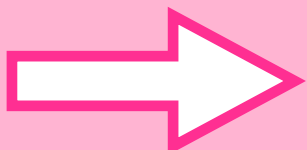
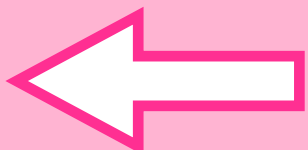




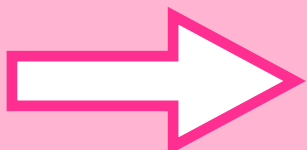
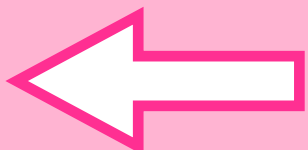
This is Howard.
Howard's umbrella has a
hole in it. He wants to
patch up his umbrella so
he doesn't get wet but
he doesn't know what
material to use.



Can you
help?

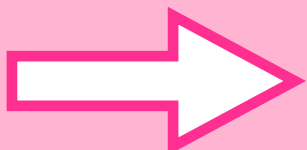
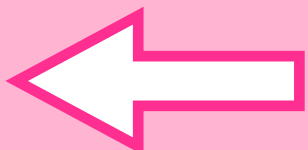


**How do you think
we could find out
what material would
be best to use for an
umbrella?**





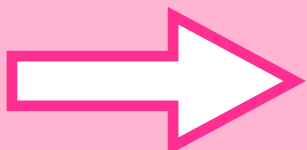
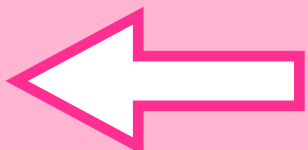
The most important thing about an umbrella cover is that it is waterproof so that the person does not get wet. It also needs to be strong so that it does not rip in stormy weather.



Our task today will be to test some different materials to see if they are waterproof or not.



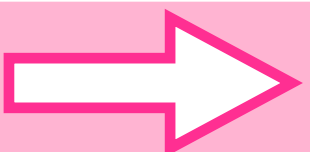
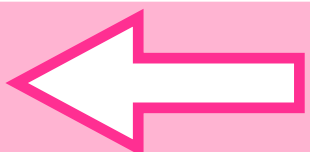
How do you think we could do this?



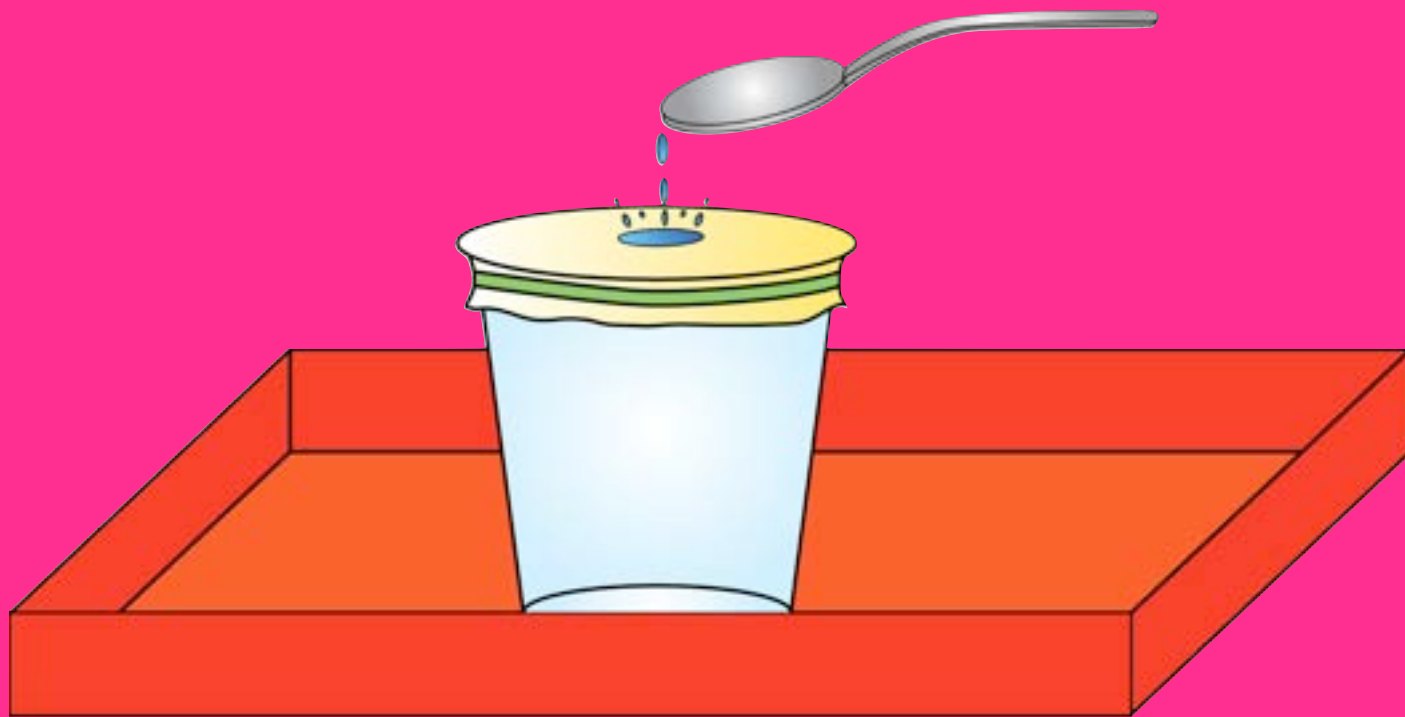
One way to test if a material is waterproof or not is to pour water on it and see if the water runs **off** the material or whether it runs **through** the material.

Let's see how we could do this...

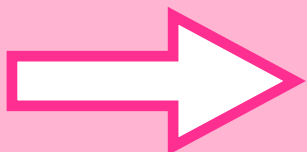
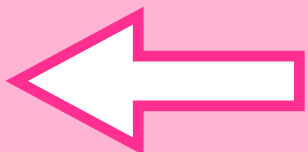
Cover
a clear plastic
cup with the
material you are
testing, then secure
it with an elastic
band.



Place the
cup in a plastic
tray.



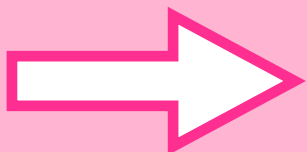
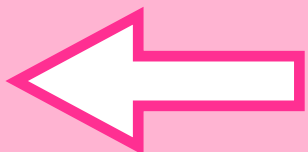
Use a spoon
to pour a little
water on the
material and watch
what happens.



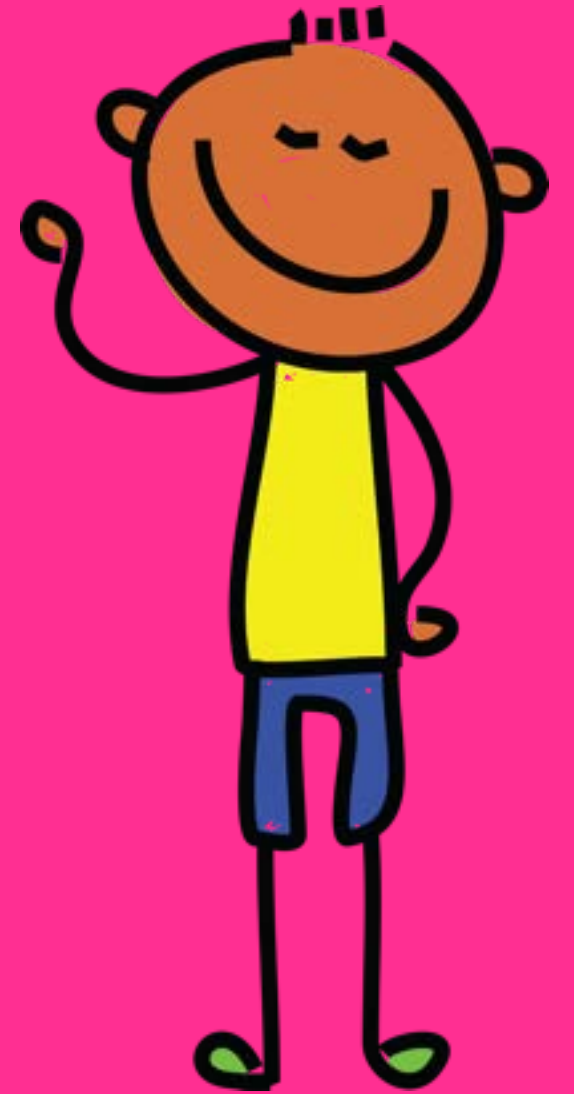
If the water
gathers in little
drops on the material
or runs off it, you
know it is
waterproof.



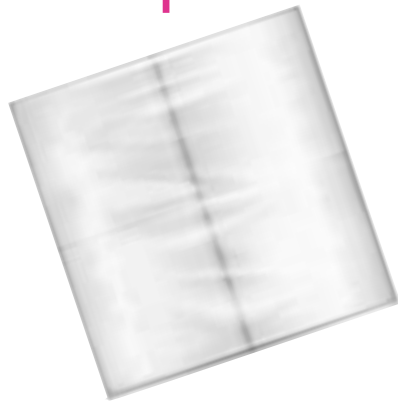
If the water
soaks through the
fabric and runs into
the cup, you know it
is not waterproof.



Which of these materials do you think would be waterproof and which would not?



cellophane



tissue paper



fabric



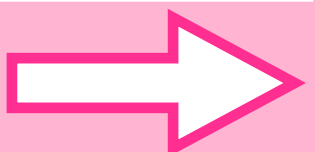
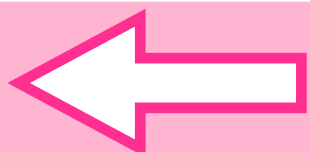
greaseproof
paper

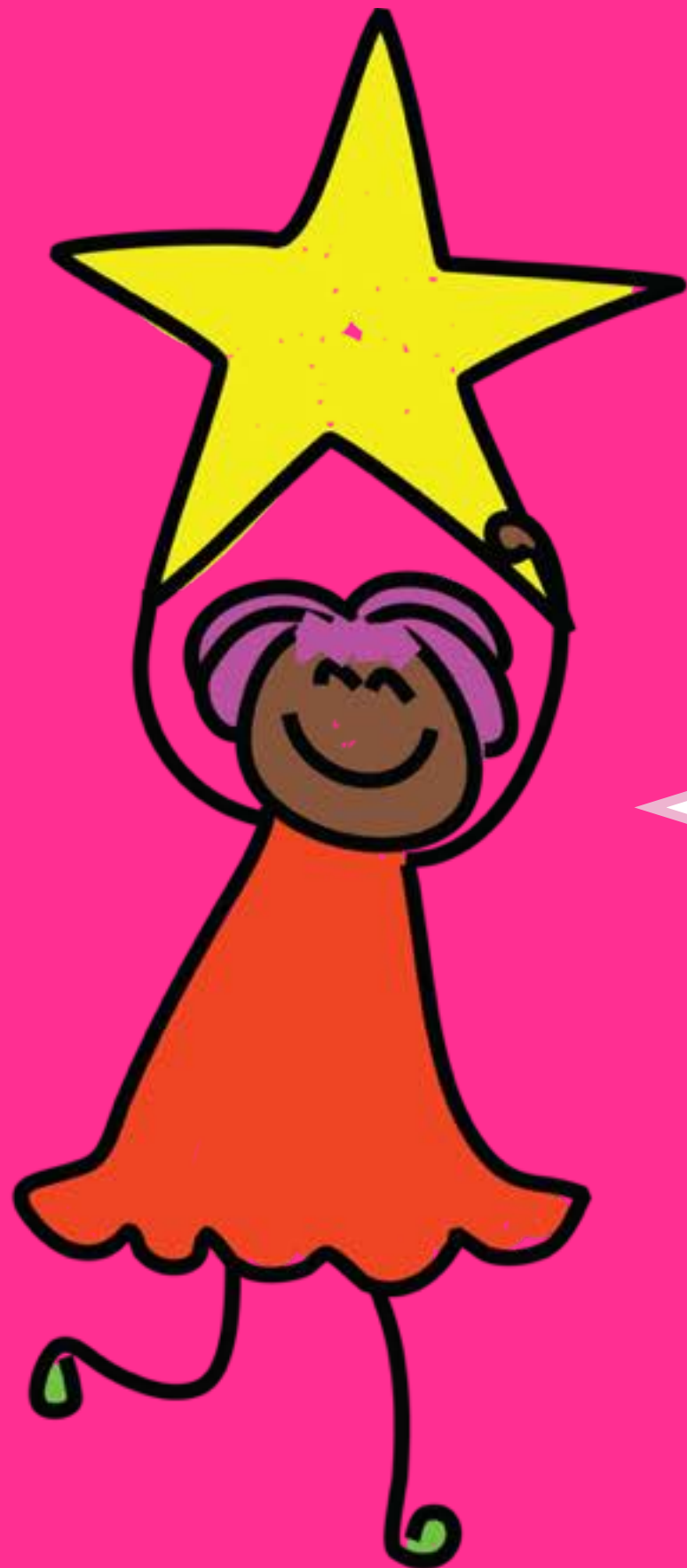


tinfoil



newspaper





**Are you ready to
test some
materials to see
if they are
waterproof?**

