

# MAKE A WATER PURIFIER



One in three people in the world don't have access to safe drinking water. Changes in the weather makes this worse. Dirty flood water gets into clean water supplies. In droughts sometimes dirty water is the only water available. Why not have a go at making a water filter? Remember the water still won't be clean enough to drink.

## YOU'LL NEED:

A large  
plastic  
bottle

Dirty  
water

Stones,  
gravel,  
sand and  
cotton balls

Coffee  
filter or  
paper  
towel

An adult  
with a  
knife

- 1 Ask an adult to cut the bottle in half. Then turn the top half over and put it in the bottom half, so the top looks like a funnel. You'll build your filter in the top part.
- 2 Put the coffee filter or paper towel in the top half and press down.
- 3 Add in your filter materials. Start with cotton balls near the bottom as they catch little bits, and put the stones near the top as they will catch bigger particles.
- 4 Pour some dirty water in the top. Is the water in the bottom clearer? You could try adding different filter materials to see if it makes a difference.

