

Clean the dirty water: apply it

materials

What you need: clear plastic bottle with base removed (adult-cut) · stability support for inverted bottle (jug, spare cut bottle base, or tray with cut-out hole) · clear collection cup or beaker · cotton wool · washed sand · washed gravel or small stones · filter paper · muddy water (soil stirred into water in a jug) · measuring cup or small cup with a fill mark · tray or newspaper for spills · spoons for placing layers · sticky notes for labelling layer order and scores

Words to use

Filter · Filter design · Water treatment

Our question

Does the filter design change how clear muddy water becomes?

I predict...because...

Sort these words into Change, Measure and Keep the same

the filter design · how clear the water is · amount of muddy water · the bottle size · how long we wait

Change – the ONE thing we change

Measure – the ONE thing we measure

Keep the same – to make it fair

What I found out

