



Everything has mass, even air

materials

What you need: clear plastic tub or washing-up bowl of water · clear plastic cup · small dry paper scraps · identical balloons · spare identical sealed sandwich bags (inflated equally) · 30 cm ruler · string · pivot for the beam balance (pencil, dowel or triangular block) · cloths or paper towels for spills · bucket or second sink access for staggered tub emptying

Words to use

Takes up space · Mass · Particles

Our two questions

1. Does air take up space? 2. Does air have mass?

Question 1 – I predict...because...

Question 2 – I predict...because...

What we saw – the cup under water (did the paper stay dry? what happened when the cup tipped?)

What we saw – the beam balance when the air left one balloon

I think...because...(link what we saw to air taking up space and having mass)

After our particles talk: air is not nothing because...

