

# 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 question

Does air take up space inside a cup under water?

I predict...because...

---

---

What we found out

---

---

---

Finish the sentence

I think \_\_\_\_\_ because \_\_\_\_\_.

---

---

What the beam balance showed when we let the air out of the balloon

---

---

Did the paper stay dry when the cup stayed level?

---

---

What happened when the cup was tipped?

---

---

What does that tell you about air and space?

---

---

