

Year 4: Week 2 : Lesson 1

LO: To investigate if air takes up space

Does Air Take up Space?

Experiment and Activity

Question: Can we prove that air takes up space?

Follow the steps below to complete the experiment.

Before you begin, fill in your prediction.

Equipment you will need:

- a bowl of water
- kitchen paper
- clear plastic cup



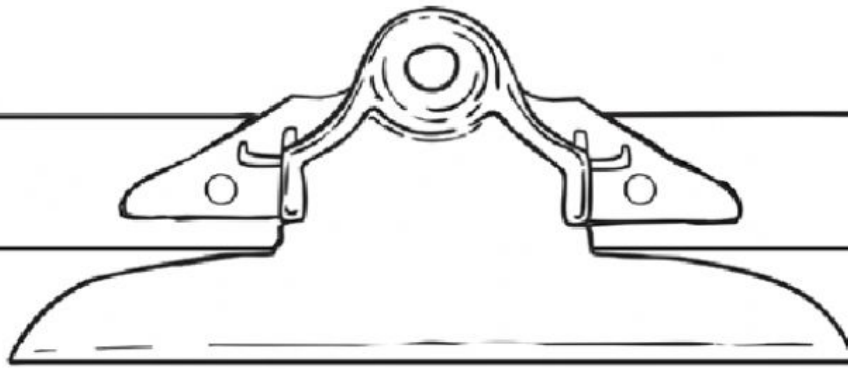
LO: To investigate and proving that air takes up space.

Method: You can try this at home and upload your video.

1. Fill the bowl of water.
2. Crumple up the kitchen paper and put it at the bottom of the plastic cup. Make sure that there is enough kitchen paper in the bottom so that it stays stuck there, even when turned upside down.
3. Put the cup in the water upside down with the kitchen paper stuck in it. The cup will start to float, so you will need to keep pushing it down.
4. After 30 seconds, slowly lift the cup directly up and out of the water. Be careful not to tilt the cup.
5. Once the cup is completely out of the water, take the kitchen paper out.
6. Check the kitchen paper – is it wet or dry?

DOES AIR TAKE UP SPACE?

*Let us make a
prediction
first....before
continuing....



Does Air Take up Space?

Experiment and Activity

Prediction:

Do you think that kitchen paper will get wet? Why/Why not?

Results:

Did the kitchen paper get wet?

What surprised you most about the experiment?

What did the experiment prove?