

# Poover 2002

Stevie invented the Poover - a clever machine that sucks up dog poo and launches it using air pressure and gravity. But here's a question: How long could the Poover's tube be before the suction stops working?



## Let's found out

Build the longest working straw you can and then try to drink water through it! How long can the straw be before it stops working?



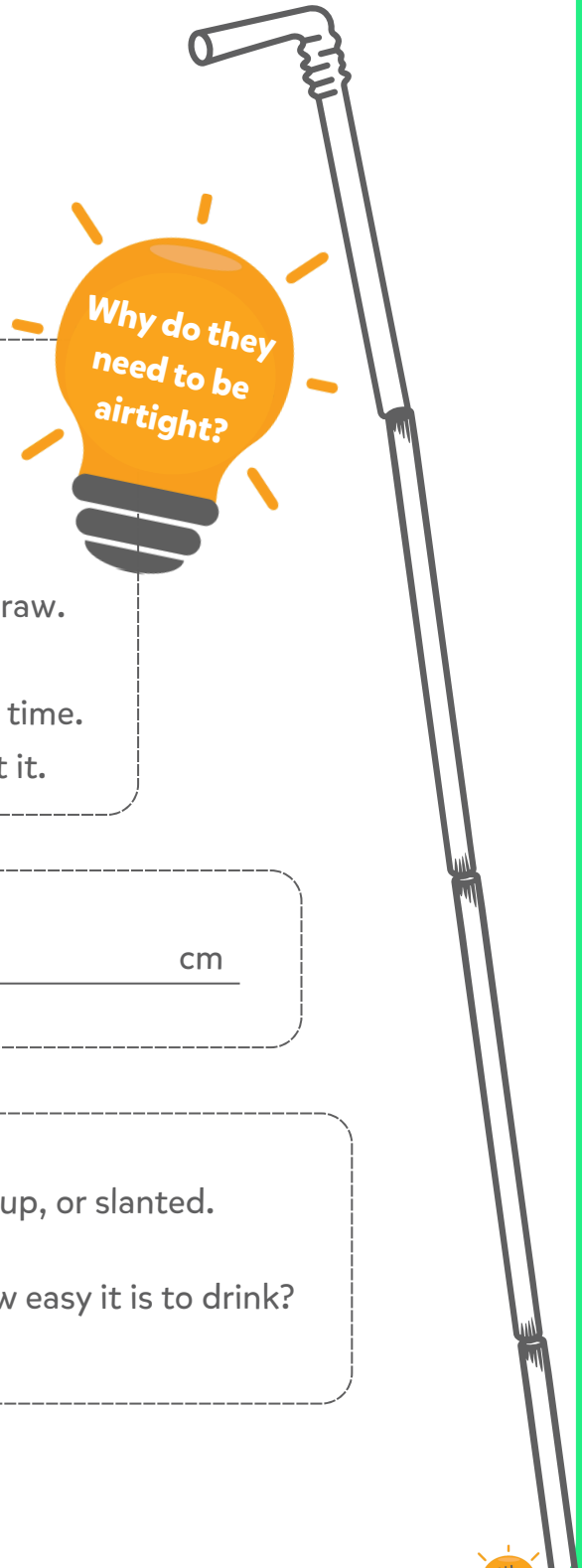
## Materials

- lots of plastic straws
- sellotape
- scissors
- cup of water
- ruler



## What to do

- First try drinking through just one straw.
- **Build it:** Join 2-3 straws together using tape. Make sure the joins are airtight.
- **Test it:** Try drinking water through the longer straw. Does it still work?
- Add more straws, making the straw longer each time.
- **Measure:** keep measuring your straw as you test it.



## Results

How long can a tube be before suction stops? \_\_\_\_\_ cm



## Challenges

- Try different angles: Hold the straw flat, straight up, or slanted.
- Would it work as well with paper straws?
- Does the width (diameter) of the straw affect how easy it is to drink?
- Does the type of liquid make a difference?