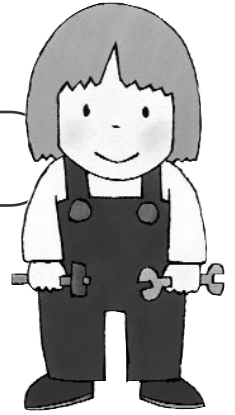


EUREKA!

ask a grown up to read this with you

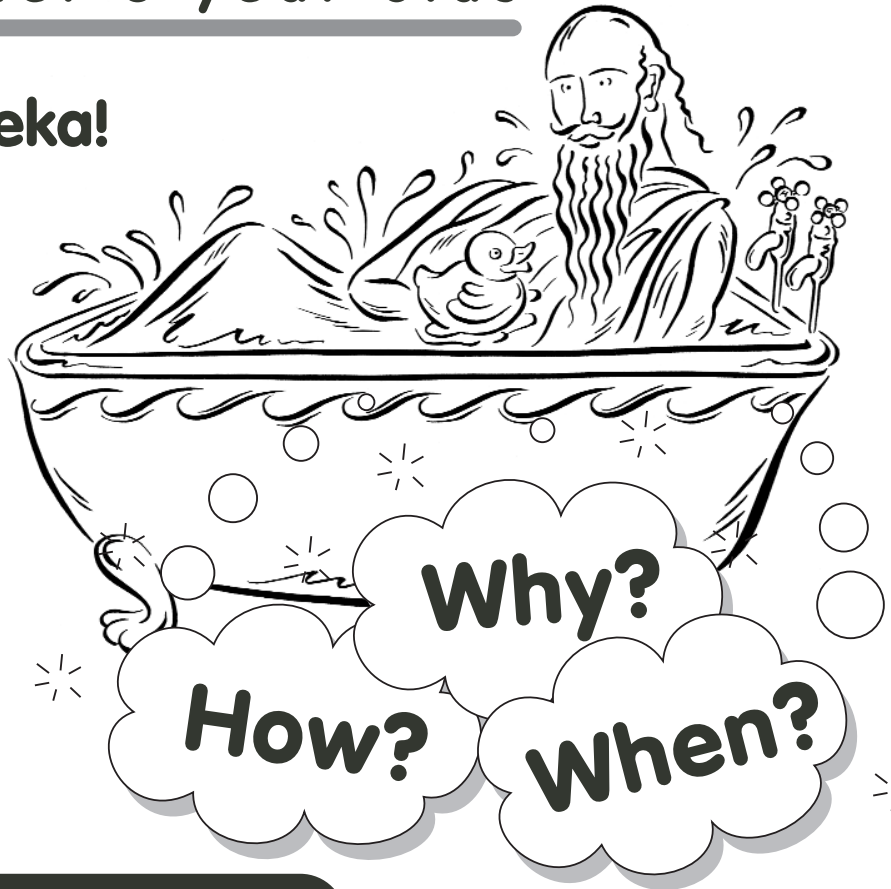


Discovery 1

For under 8 year olds

**Archimedes is at Eureka!
He splashes into his
bath at least ten
times a day.
Make sure you
see him when you
visit Eureka!**

He was a great scientist.
He always asked lots of questions
to find out how things worked.
Archimedes found out what floats
and what sinks in water.



PUZZLES

Dot-to-Dot

6. 9

Dot-to-Dot Words

7. .8
4. 5. start 1
3. 2

Water
Fun

Archimedes
Eureka!
Floating
Sinking

Do this in a bath or in a bowl

of water - You will need:



an apple



an orange



a banana



a plastic duck



a cork



a small stone



a plastic brick



an egg



a nail



a paper clip

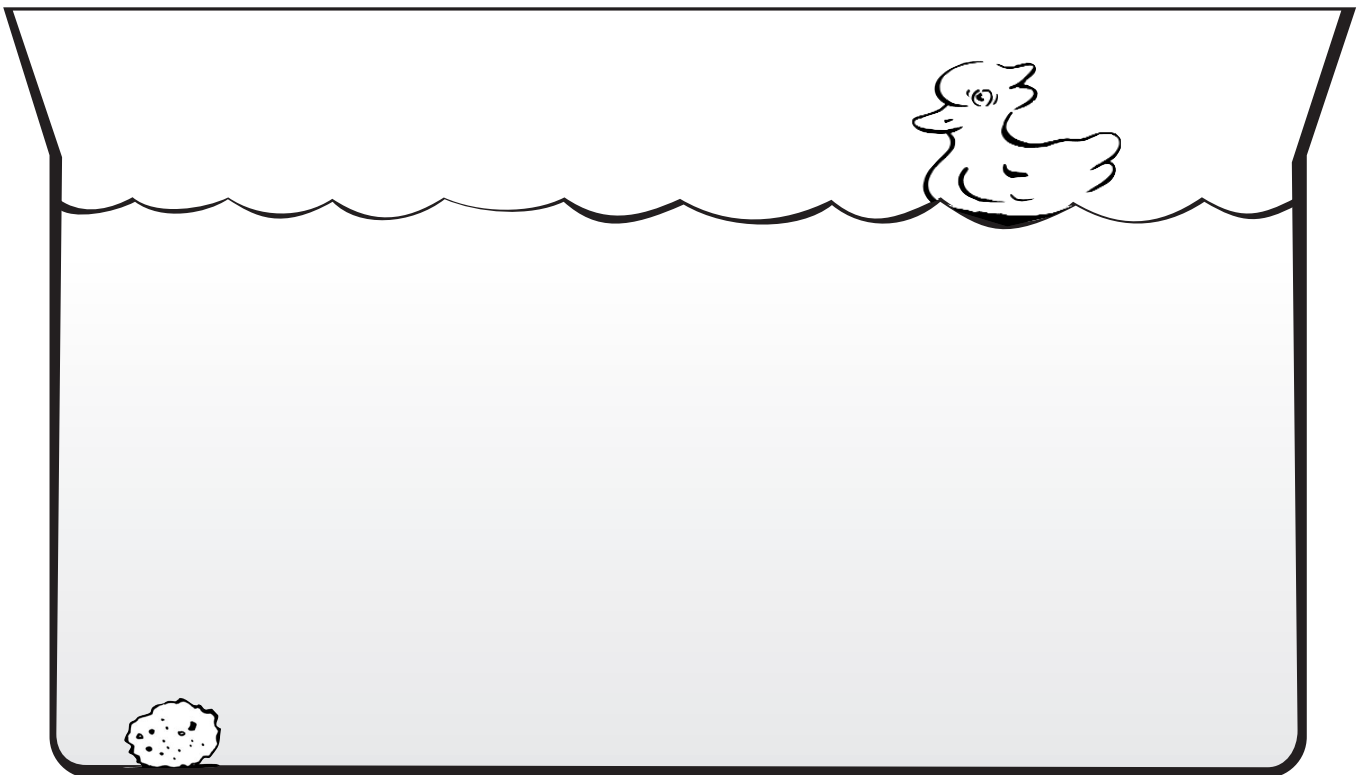


a crayon



a ball of plasticine

1. First pick up all the things which you think will float. Put these to one side.
2. Now pick up all the things you think will sink to the bottom of the water.
3. Test your ideas by putting all your things into the water
4. Draw your things in this bowl of water. Some will be at the bottom. Some will be at the top.



5. The ball of plasticine sinks. Make the plasticine into a flat boat shape.
6. Now see if it floats on the water. **You can make a sail for it!**



Water pushes against things and tries to hold them up.

This is why you can swim in water. This is why boats can float on water. If something is too **dense** it sinks to the bottom of the water.