SUPERLAB

Science at the heart of healthcare



SUPERLAB is a fun and educational comic for KS2 children about the wonders of biomedical science. This comic can be enjoyed by children alone, in the classroom or with the help of adults.

Biomedical Superheroes!

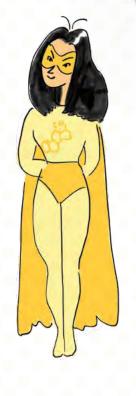
We're all biomedical scientists
who do medical tests in
hospital superlabs

I'm BUG RIDER the MICROBIOLOGIST and I grow bacteria in wee and poo.

I'm HAEMATOMAN the HAEMATOLOGIST and I analyse blood samples.

I'm CHEMIGIRL the CLINICAL CHEMIST and I understand changes in blood and wee.

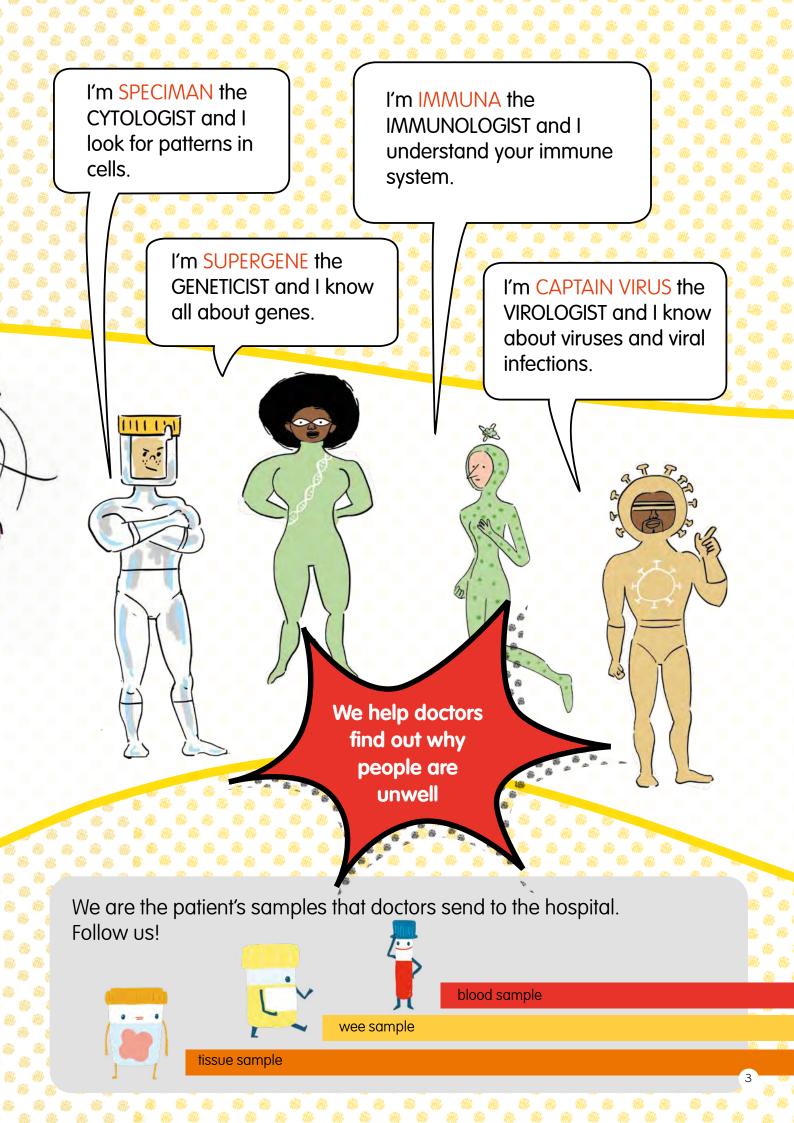






I'm BLOOD BOY the TRANSFUSIONIST and I make sure people get the right kind of blood when they need a transfusion.

I'm HISTOQUEEN the HISTOLOGIST and I look at tissue samples under a microscope.





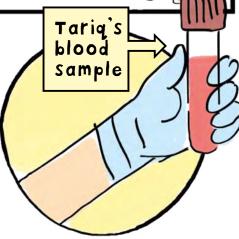












the sample heads to the hospital..







..It's sent to the blood lab.

here's the sample..

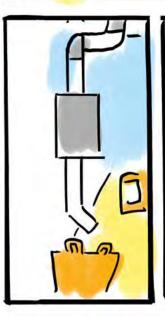














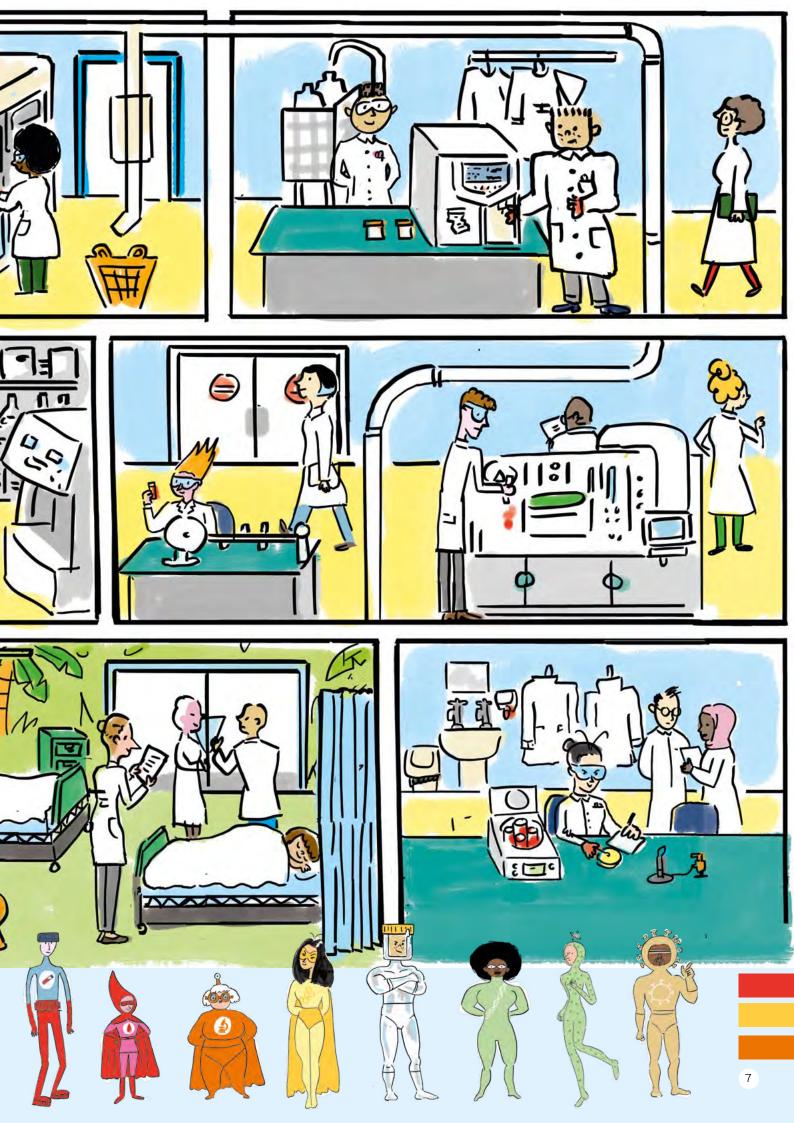


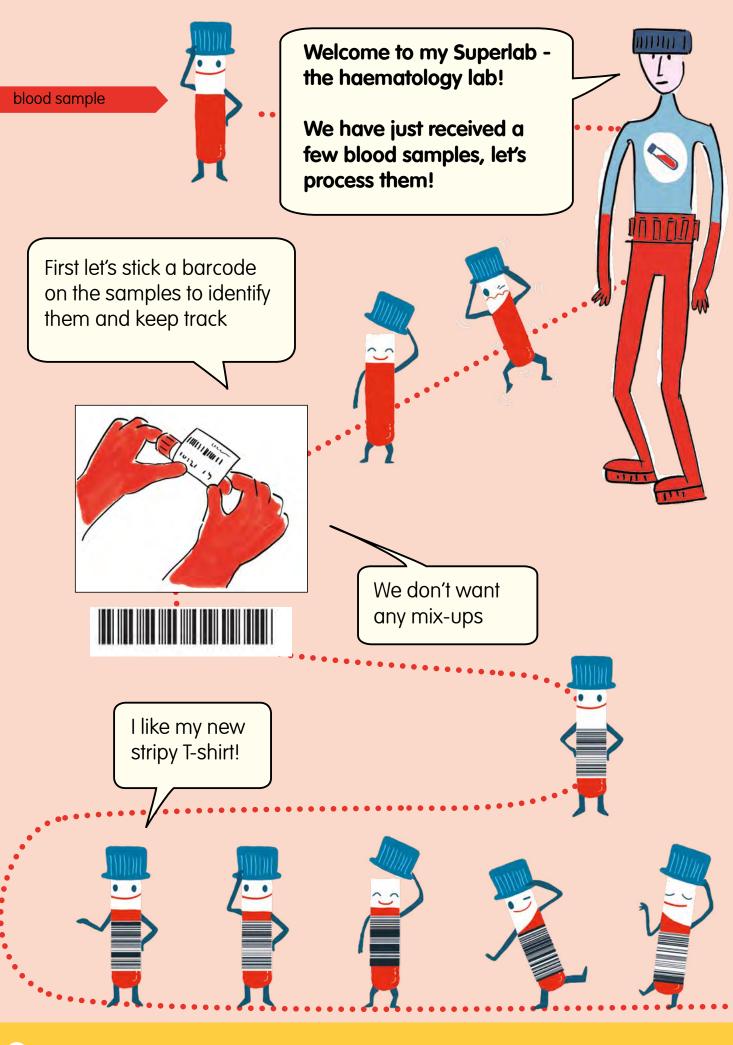




Find us!

Lots of science is happening in the hospital, can you spot our superheroes as biomedical scientists?

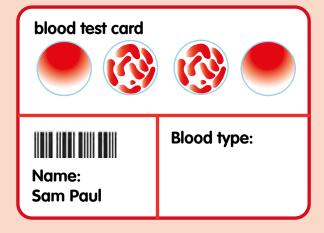


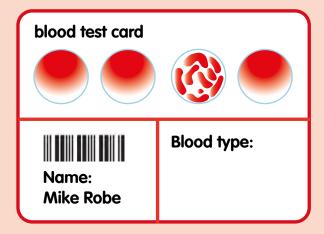


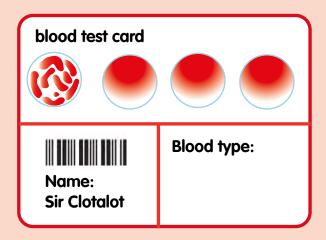
Let's find out the blood types

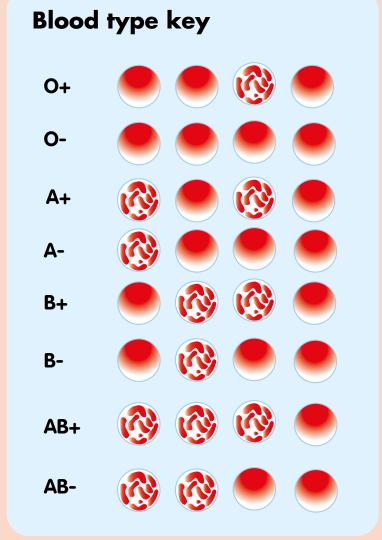


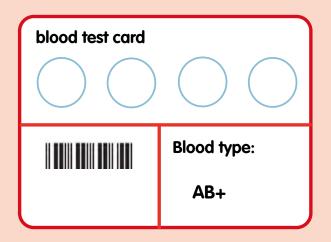
Use the blood type key to complete the blood test cards



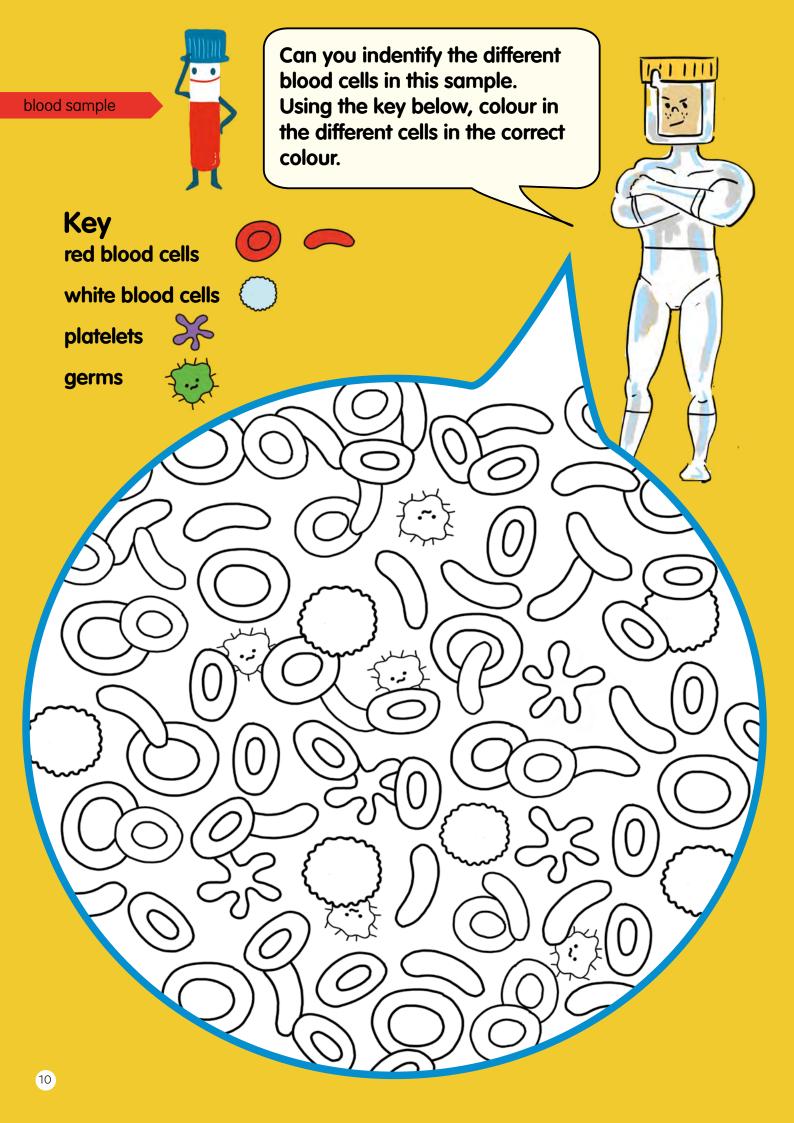








going for more tests



Make your own 'Test Your Sample' game Sample cards







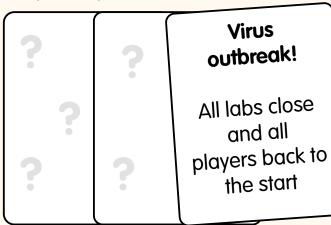


Microbiology lab

Gene lab

Cell lab

Mystery cards



Immune system boost!

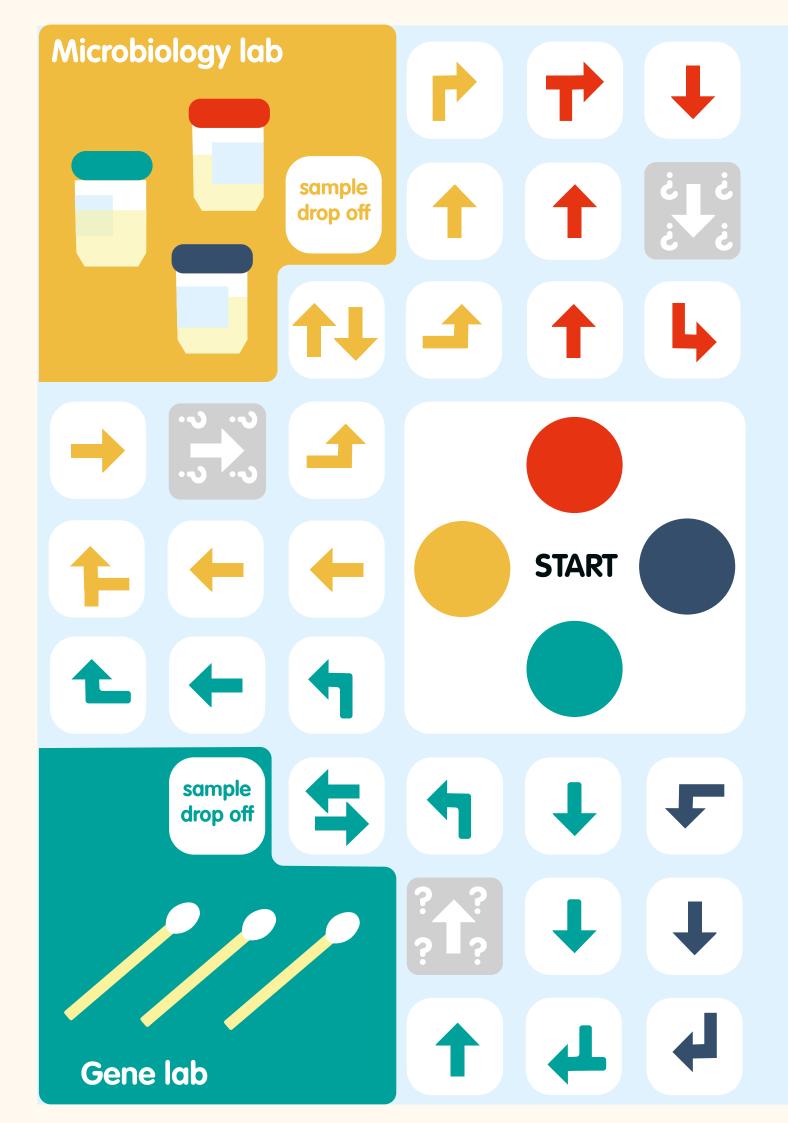
Jump to any lab of your choice

You will need: coloured paper, felt tip pens, scissors.

Sample cards: using the examples above as a guide make 3 of each kind so that you end up with 12 cards in total. The colour of the sample needs to match the correct lab.

Mystery cards: on white paper draw question marks on one side and write an instruction on the other. This page has some examples of the type of instruction. Make 12 mystery cards and put them face down next to the game.

A full set can be downloaded from: www.superlabscience.com



Blood lab sample drop off sample drop off Cell lab

'Test your sample' game

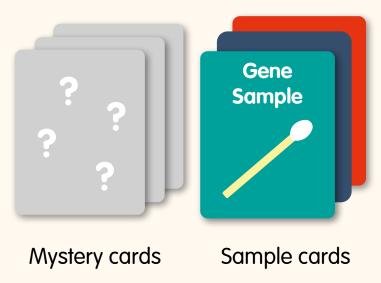
2-4 players

You will need: sample cards and mystery cards, counters and dice

How to play: all players choose a colour and place your counters on the start. Deal the sample cards so each player has 3 cards. Take it in turns to roll the dice and move along the board in the direction of the arrows. Your mission is to drop off the samples on the drop off squares in the correct labs. For instance:



Only one sample can be deposited at a time. You do not need to roll the exact number to land on the drop off squares. If you land on a question mark you must select a mystery card from the pile and follow the instructions. The first person to drop off all their samples at the correct labs, wins!



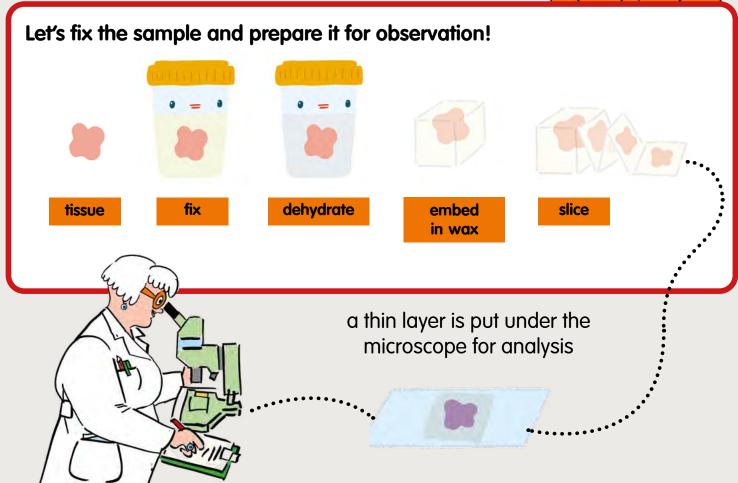
tissue sample



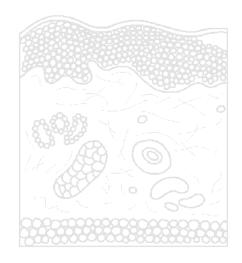
Welcome to my lab! The histology lab.

We have just received a tissue sample!

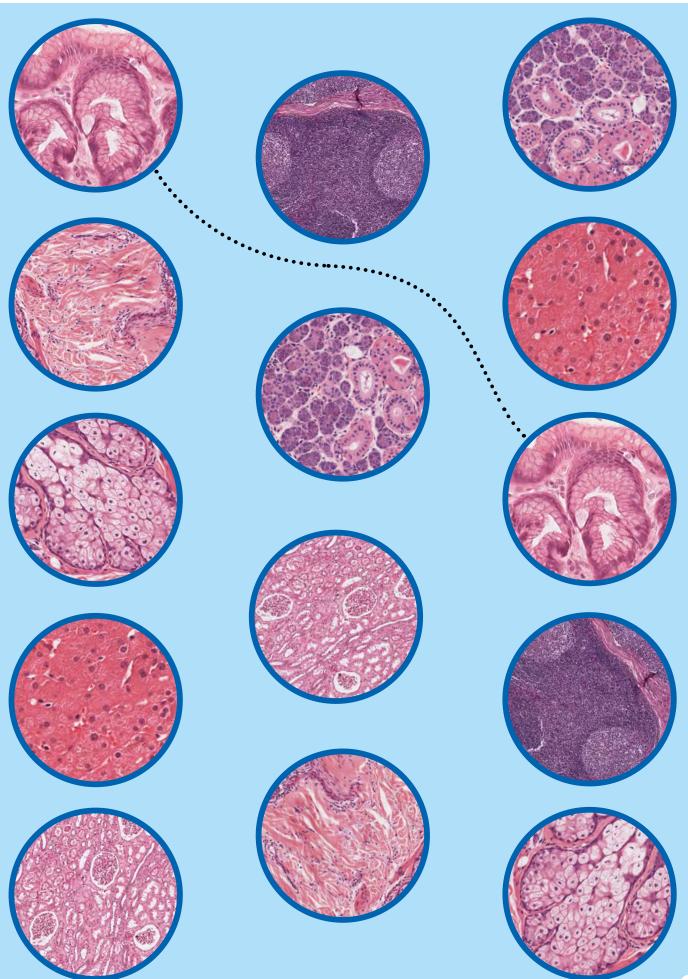




Dyes are used to contrast the structures of the cells so they can be recognised - *colour the slide*



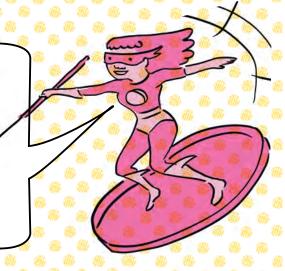




wee sample

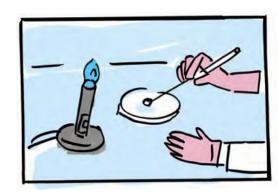


Bug Rider to the rescue!
Welcome to the microbiology lab.
We have just received a wee sample!



Let's check this wee sample and see if we have any bacteria growing





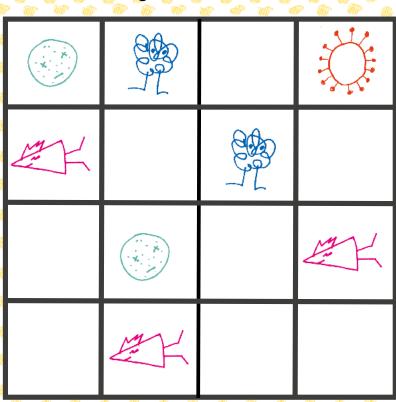


Bug Rider sterilises the metal loop with a Bunsen burner and inoculates the Petri dish with the sample

Germ Sudoku

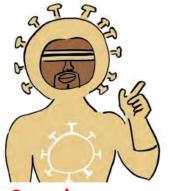
Complete the grid to have one of each germ in each column or row

While we
wait for the
bacteria to grow
let's do a germ
sudoku



Funny fever!

Why did the bacteria Hey, why are the Because they cross the microscope? viruses all gone? "FLU" AWAY To get to the LOL other slide The food is great here Where's Tell me the one the loo? about the germ I can't. I don't want to spread it around It's at the back-teria!



Create your own **Superhero scientist!**

My Superhero power is...

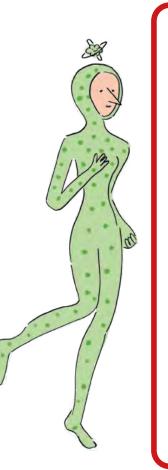
My Superhero works in the

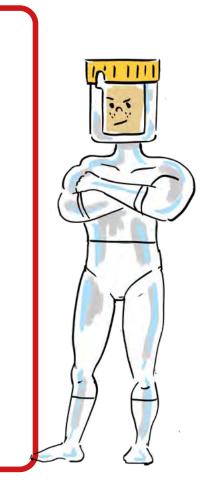
My Superhero's special tool is.... (bunsen burner, petri dish, syringe,

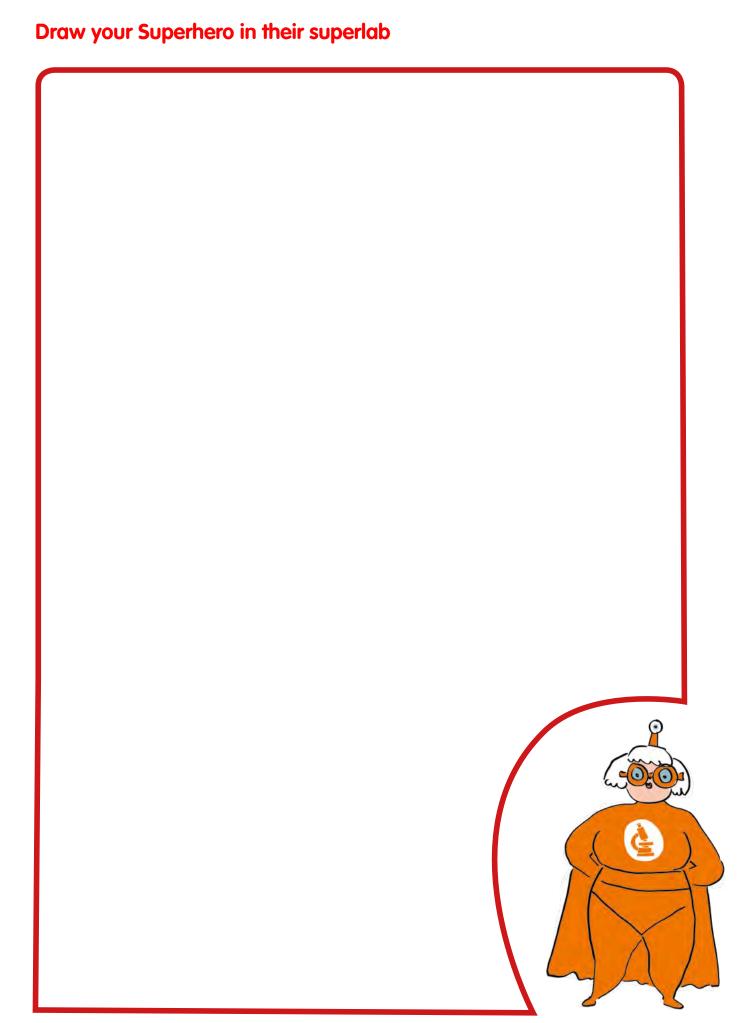
test tube)

My Superhero's name is.....

My Superhero outfit looks like....











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