

Future Scientist Activity Pack

Preschools, Childcare and
Early Learning Centres



What you and your centre can do to help!

Jeans for Genes was created to raise money to help the scientists at Children's Medical Research Institute find treatments and cures for the 1 in 20 kids facing a birth defect or genetic disease.

You may think you don't know anyone with a genetic disease or birth defect, when in fact – there is one in every classroom across Australia! There are conditions that you may not be aware of, but also more commonly known conditions like cystic fibrosis, autism and cancer.

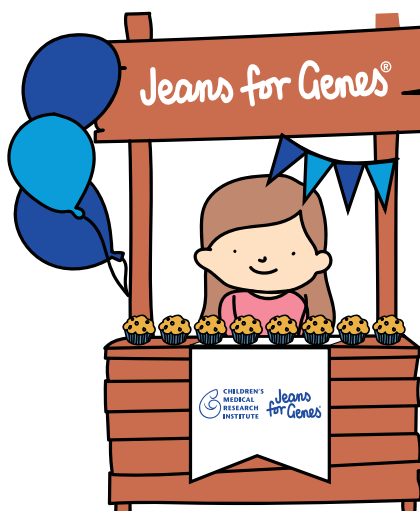


You and your preschool, childcare or early learning centre can help make a difference in the lives of kids who shouldn't have to think about getting liver transplants, taking dozens of medications, or getting their next dose of chemotherapy. We believe all kids should have a chance to just be kids!

Jeans for Genes is formally the first Friday in August but you can fundraise any time during August!

There are lots of fun things you can do to raise money—from holding a denim mufti day and collecting donations to painting or decorating jeans or selling blue baked treats. We have some great decorations on our website to liven up your space!

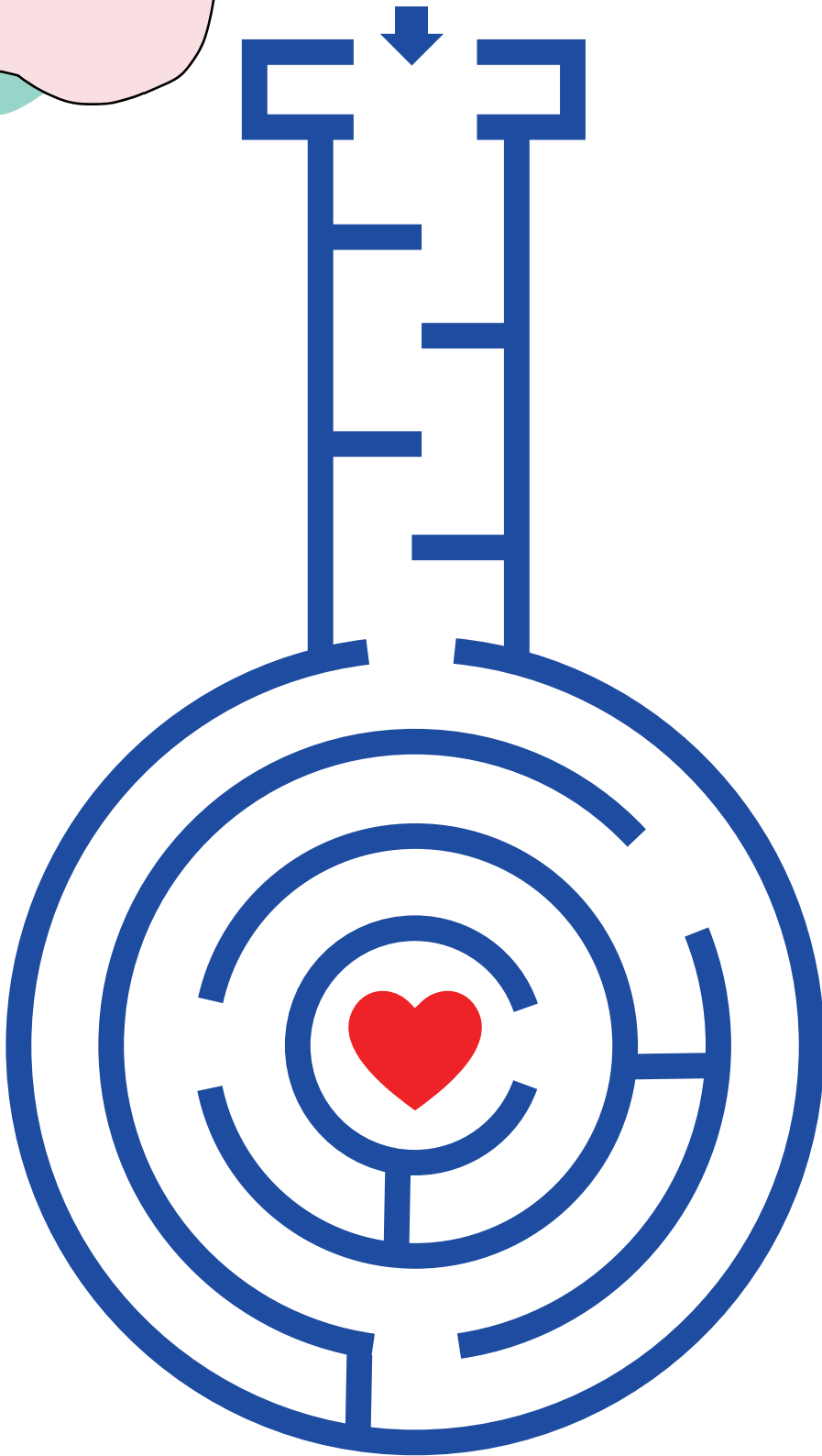
Find out more at JeansForGenes.org.au or get in contact with our team at info@jeansforgenes.org.au





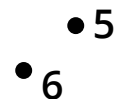
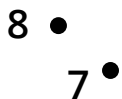
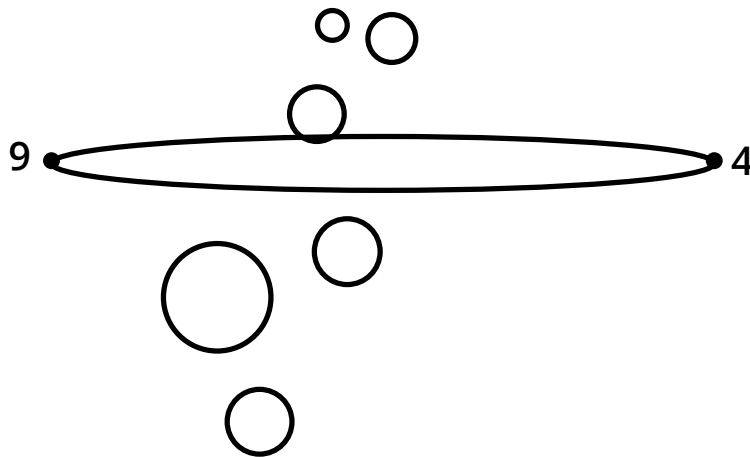
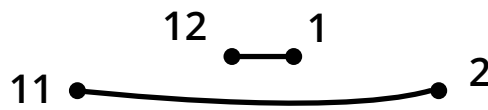
Maze

Help Sophie get better. Find her cure in the flask below.



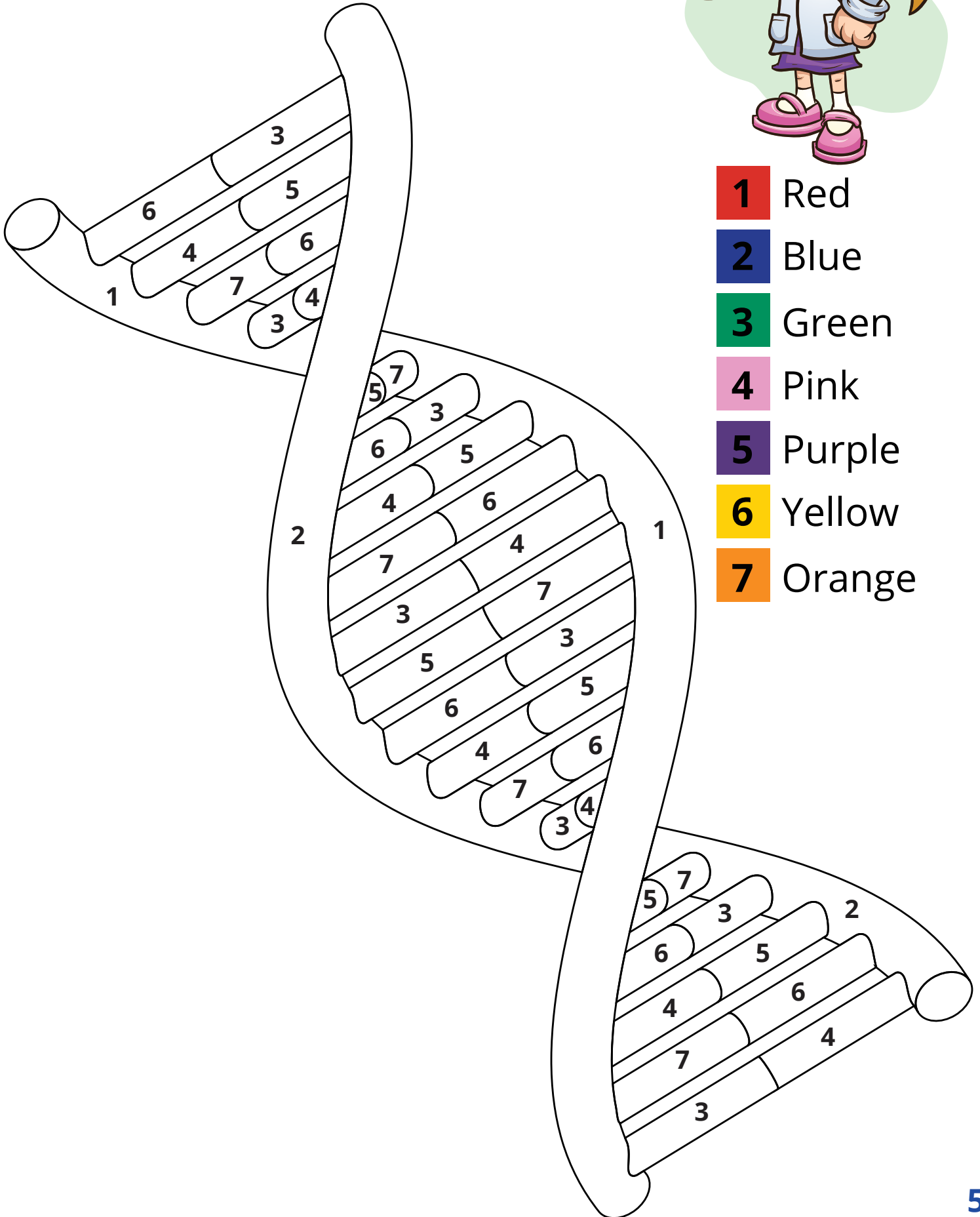
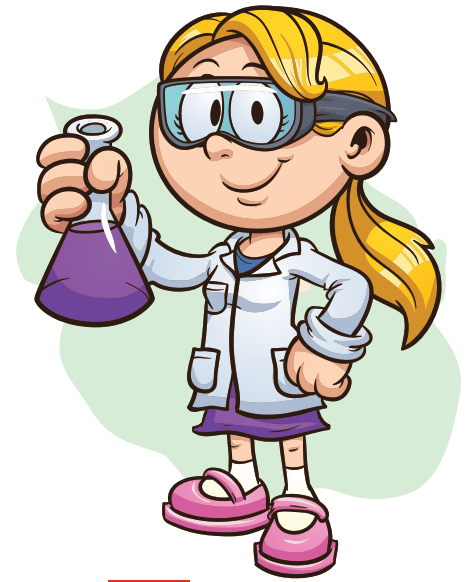
Join the dots

Alvin has a vital piece of equipment. Can you join the dots to find out what it is?



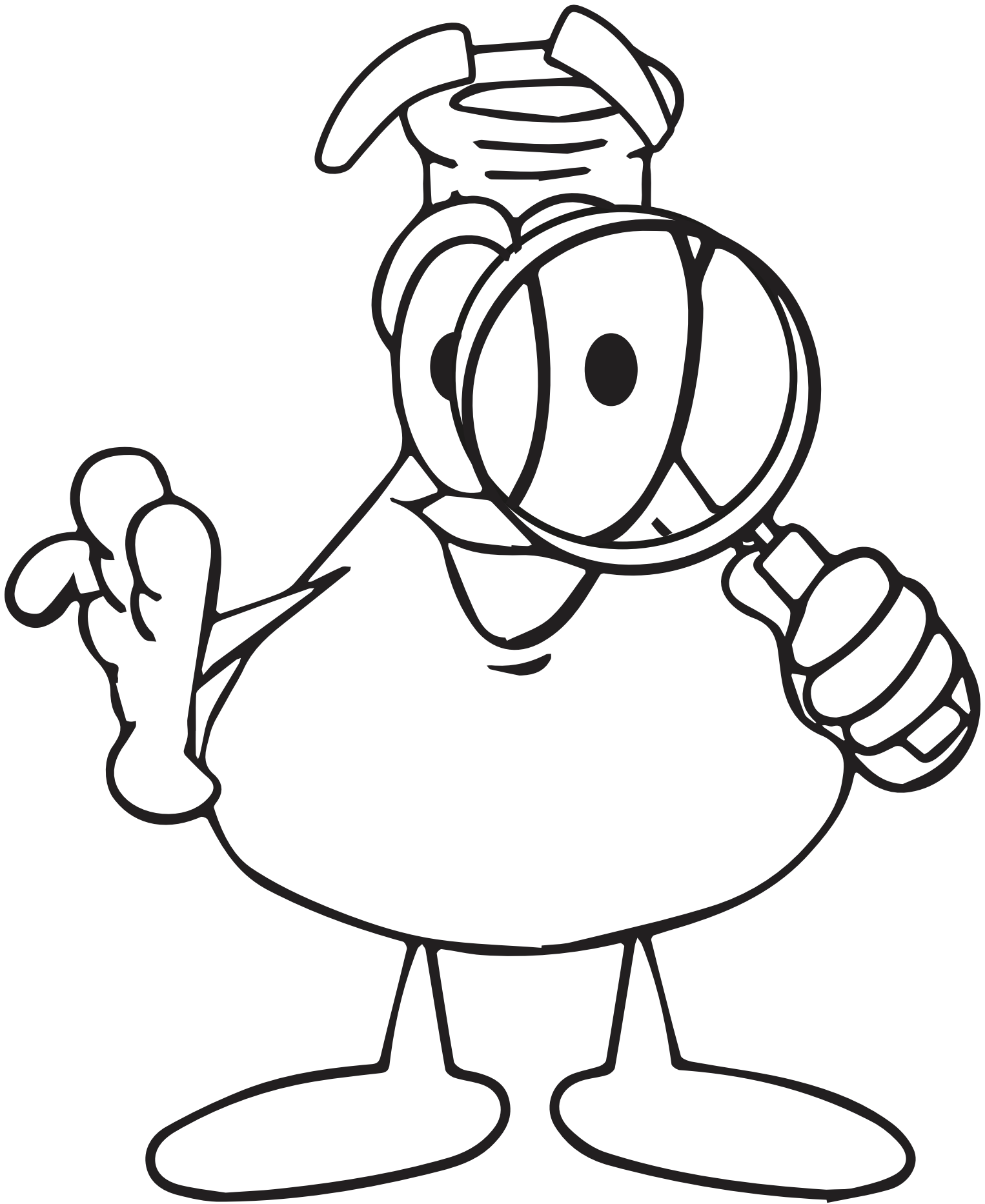
Colour by numbers

Can you help Katie colour her DNA?

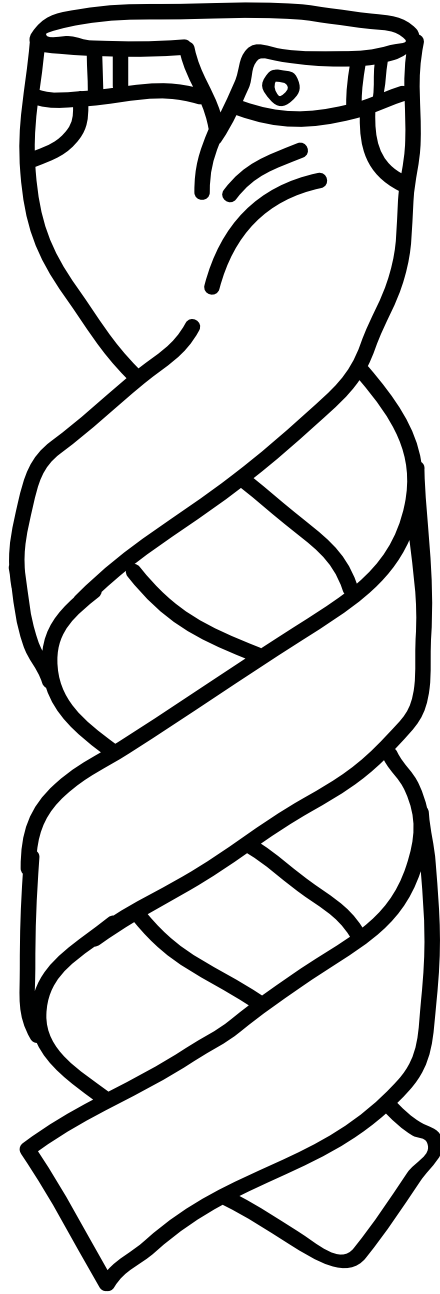


- 1** Red
- 2** Blue
- 3** Green
- 4** Pink
- 5** Purple
- 6** Yellow
- 7** Orange

Colour Me

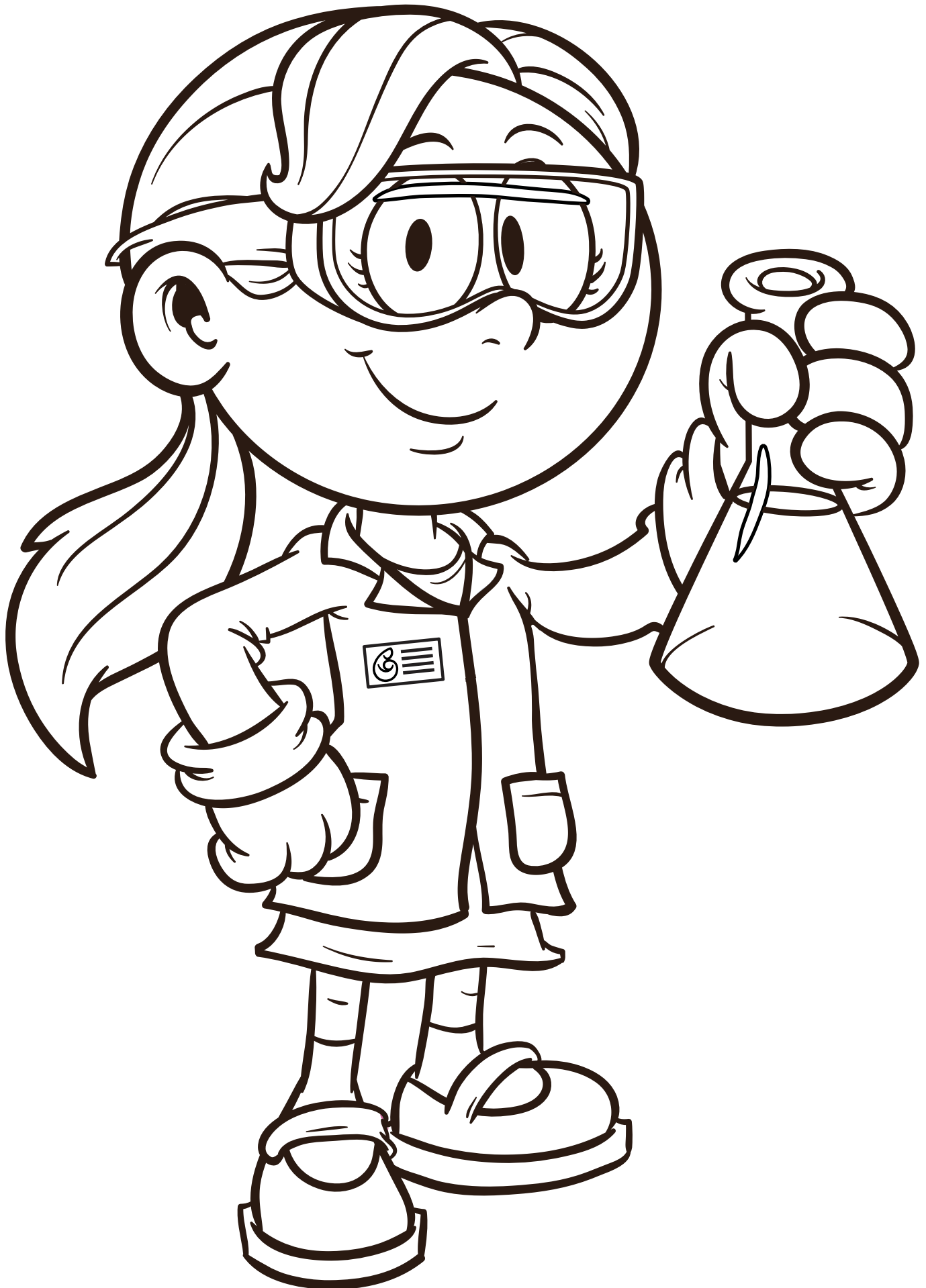


Colour Me

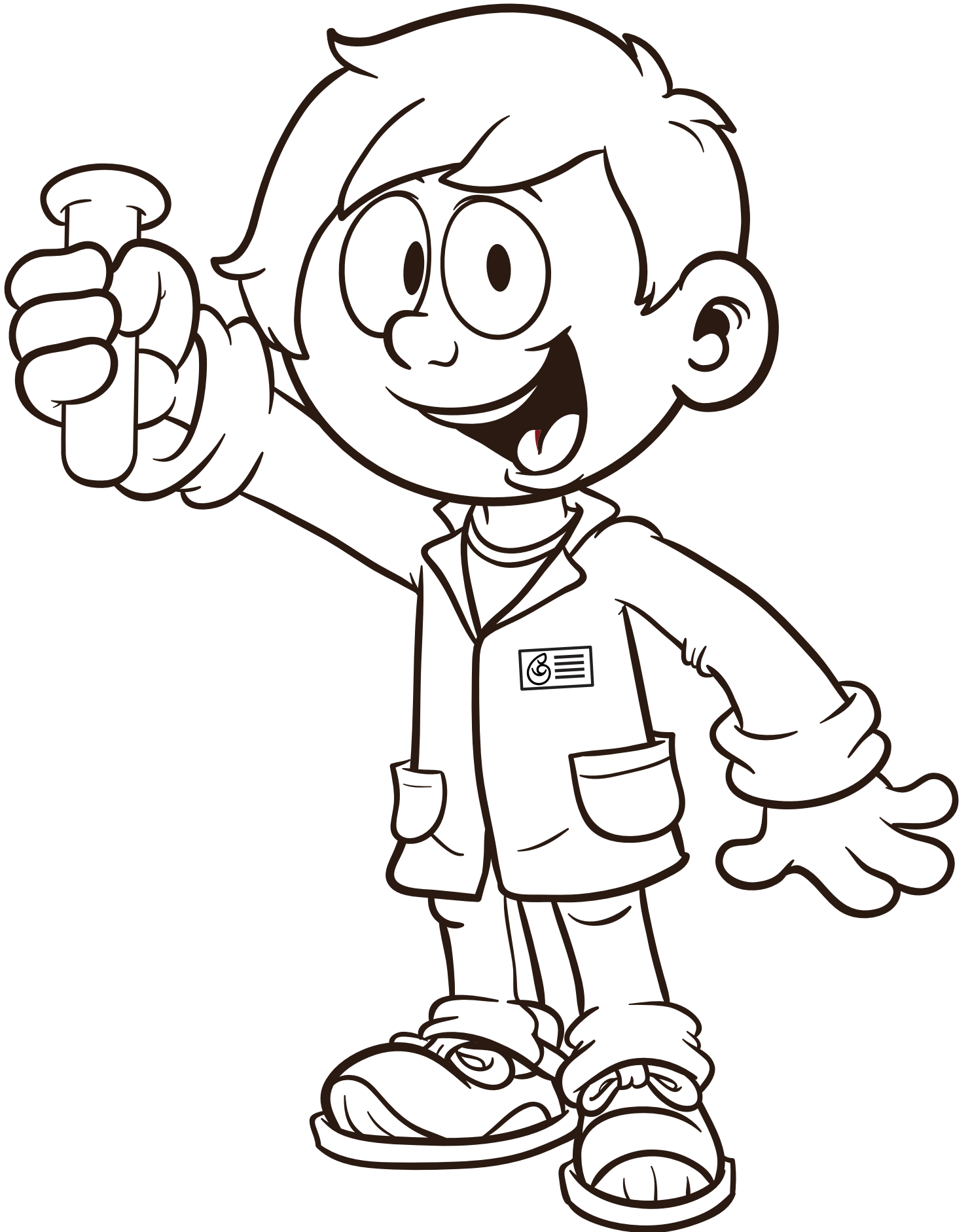


Jeans for Genes[®]

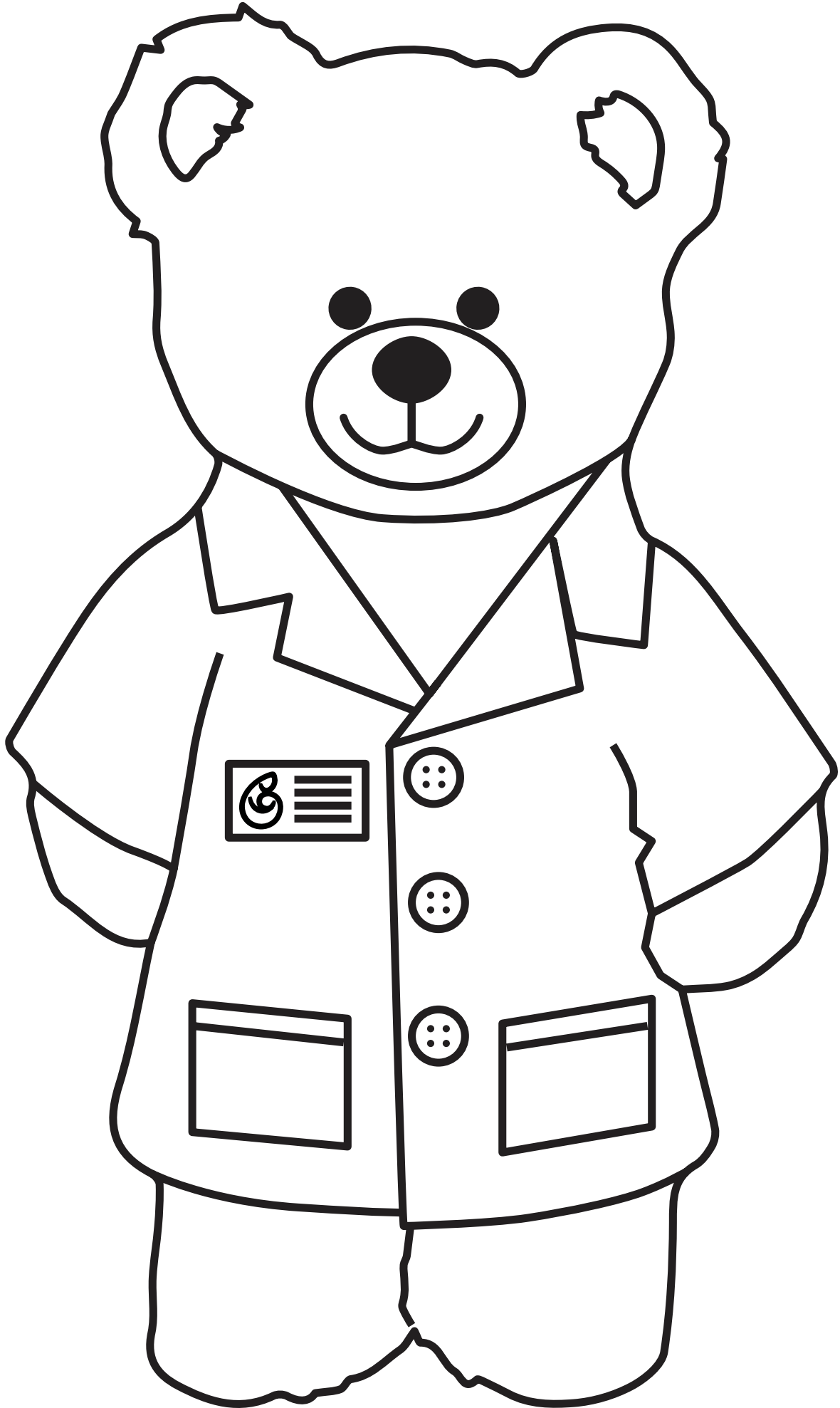
Colour Me



Colour Me



Colour Me



Understanding Genes

- Genetic Traits



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Can you roll
your Tongue?



How are your
earlobes attached?



Have you got a
hitch-hikers thumb?



What kind of
hair-line do you have?



What other traits do you have? Think about...

Write them down:



Eye colour



Hair colour



Curly or
straight hair



Skin colour



Freckles



Dimples



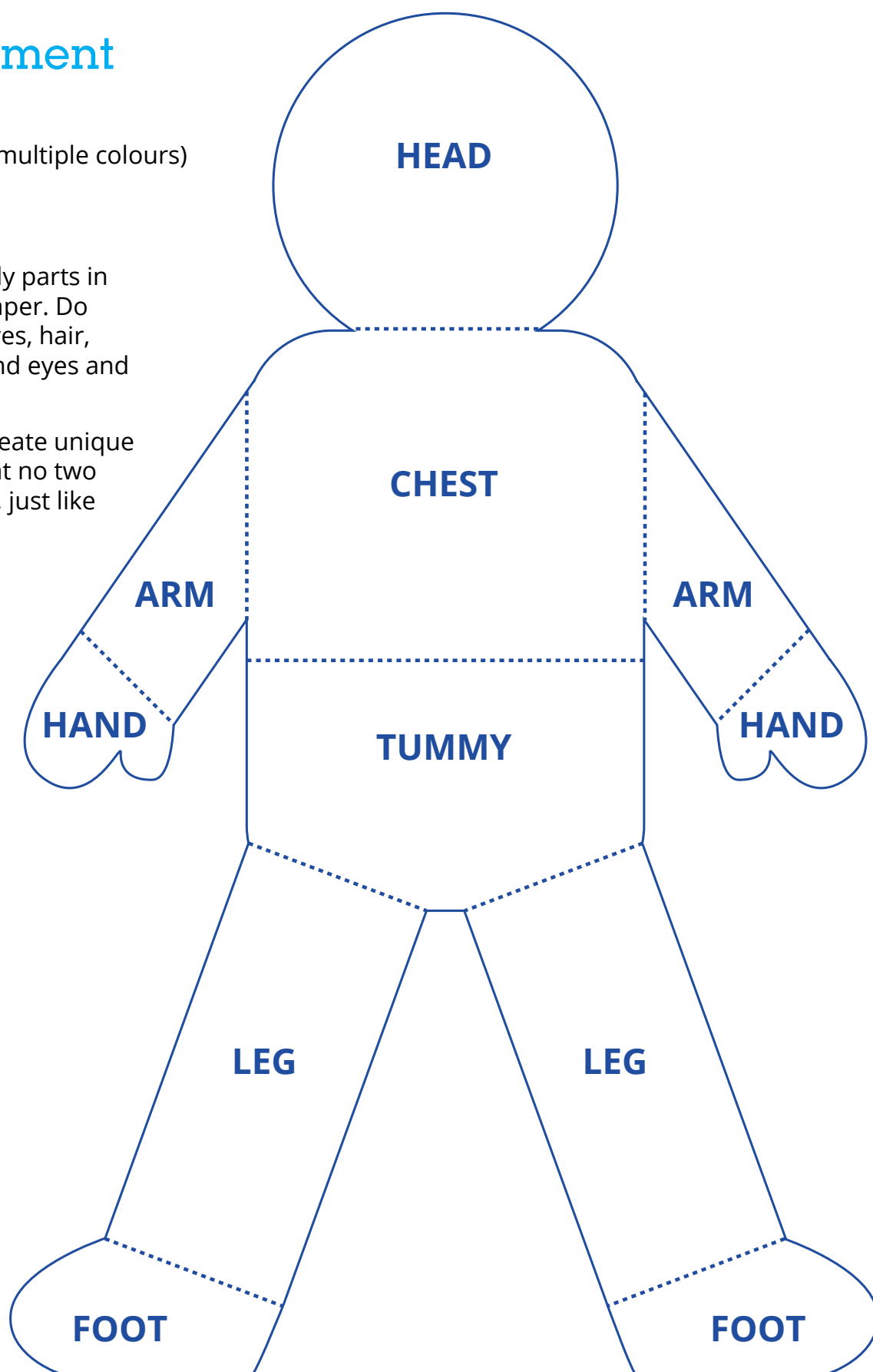
Create different body parts with your rainbow paper

This experiment requires:

- Coloured paper (multiple colours)
- Scissors

Cut out different body parts in different coloured paper. Do different coloured eyes, hair, different sized lips and eyes and ears and noses...

Use these parts to create unique people. You'll see that no two people are the same, just like real life!



Fine Motor Pipetting practice



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This experiment requires:

- Conical tube (or smaller container)
- Squeezy pipette
- Culture plate
- Plastic beaker (or container)

This is available as a kit at shop.cmri.org.au (while stocks last)

Get food colouring and dye some water. Kids can practice moving water from conical tube or beaker to culture plates using pipette only—no spilling!

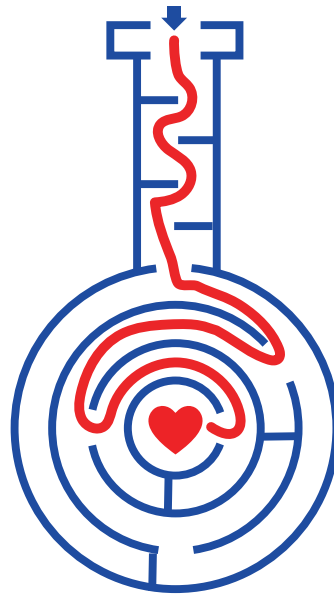
Wear gloves for added difficulty in your practice.

See if you can draw a picture in your culture plate.

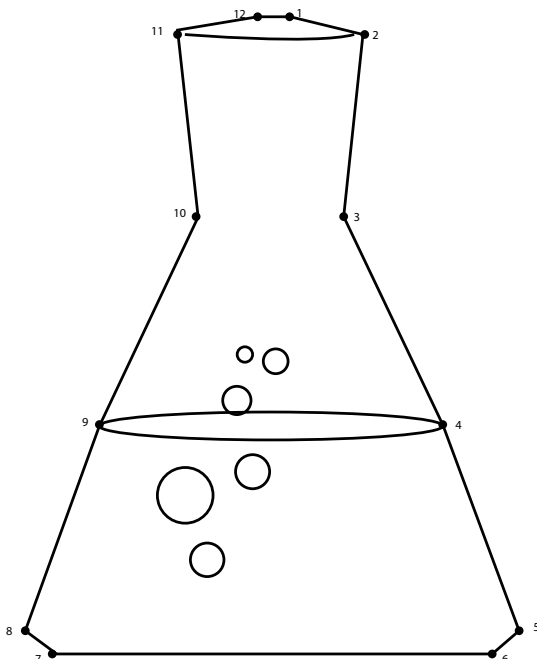


Answers

Maze



Join the dots



Colour by numbers



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CHILDREN'S
MEDICAL
RESEARCH
INSTITUTE

Jeans
for Genes®

Finding cures for
children's genetic diseases