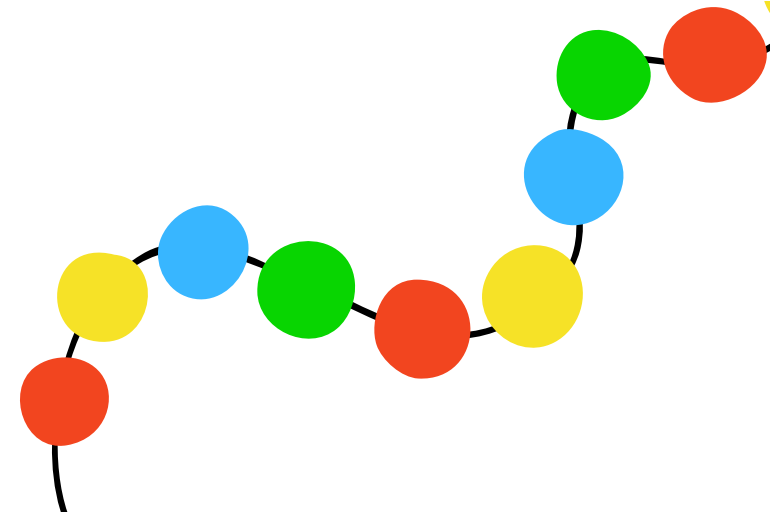
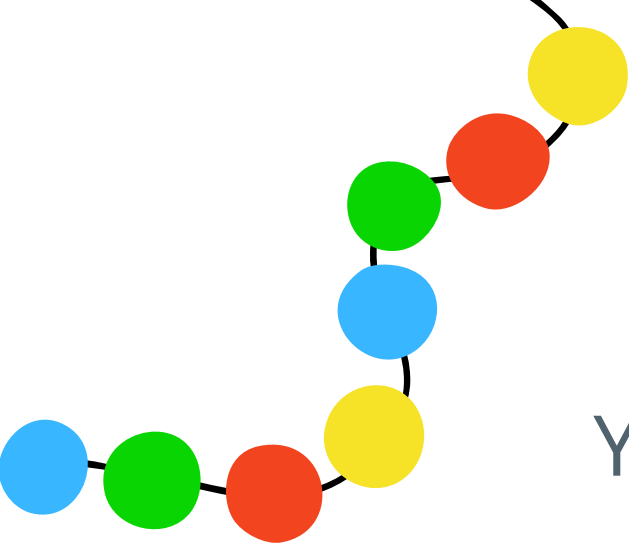


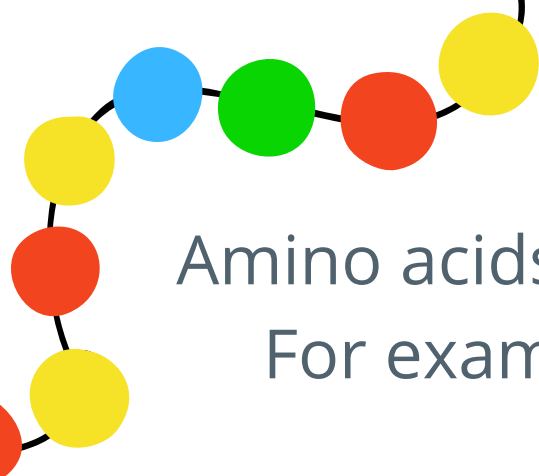
# DNA Bracelets

Your DNA makes you, you!

The DNA code is represented by only four letters  
**A, T, C** and **G**

Three of these letters together make one amino acid.





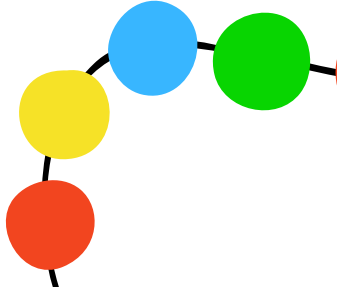
Amino acids can be represented by a letter of the alphabet.  
For example: Histidine is represented by the letter "H".

Amino acids join together in a chain to make a protein.

Proteins are really important in your body, they help with things like defence, transport and movement.

Did you know?

There are only 20 amino acids. In order to make sure we had all 26 letters of the alphabet we have used STOP codes for the last 6 letters (B, J, O, U, X and Z).  
STOP codes work like full stops in a sentence, they tell your body to stop translating that bit of DNA.





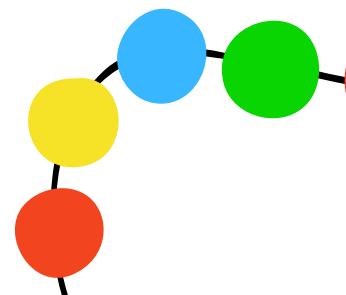
## You will need:

- String, cut to 30cm
- 4 different coloured beads

## How to make your bracelet:

- Decide which coloured bead to use for each letter of DNA (A, T, C or G)
- Choose what to spell, try the examples or use your own word and work out which beads to use using the table
- Add your beads to your string in the order to spell out your code
- Tie the two ends of the string together

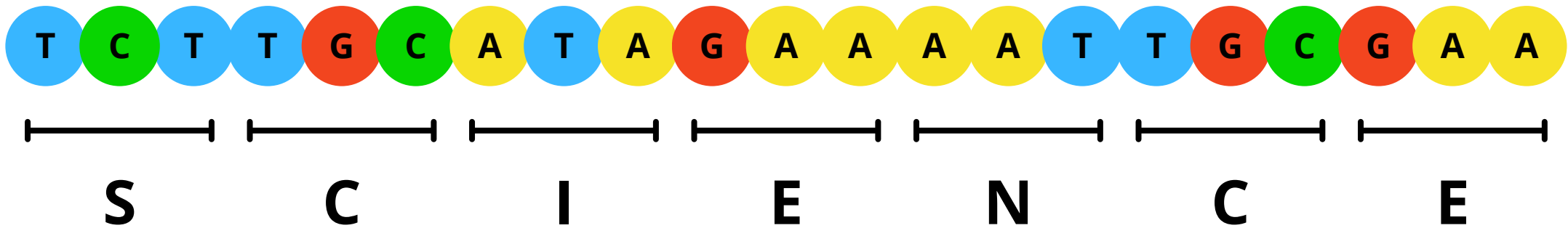
Have you tried working out the code for your name?



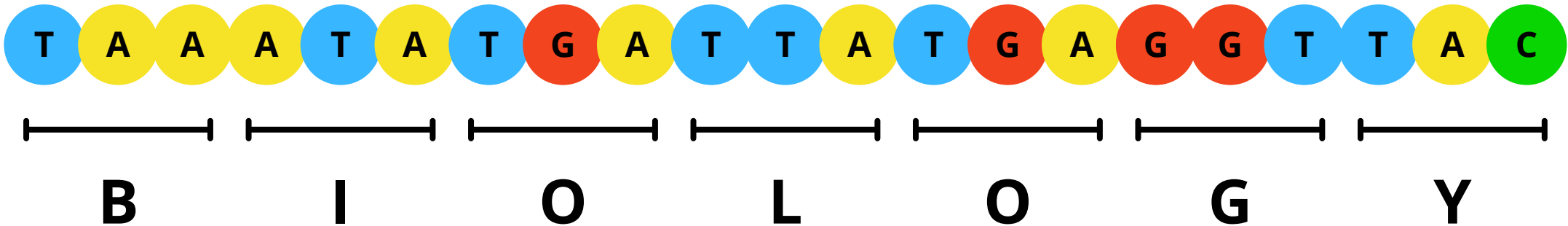
Letter	DNA Code
A	G C C
B	T A A
C	T G C
D	G A C
E	G A A
F	T T T
G	G G T
H	C A T
I	A T A
J	T A G
K	A A G
L	T T A
M	A T G

Letter	DNA Code
N	A A T
O	T G A
P	C C C
Q	C A G
R	C G T
S	T C T
T	A C C
U	T A A
V	G T C
W	T G C
X	T A G
Y	T A C
Z	T G A

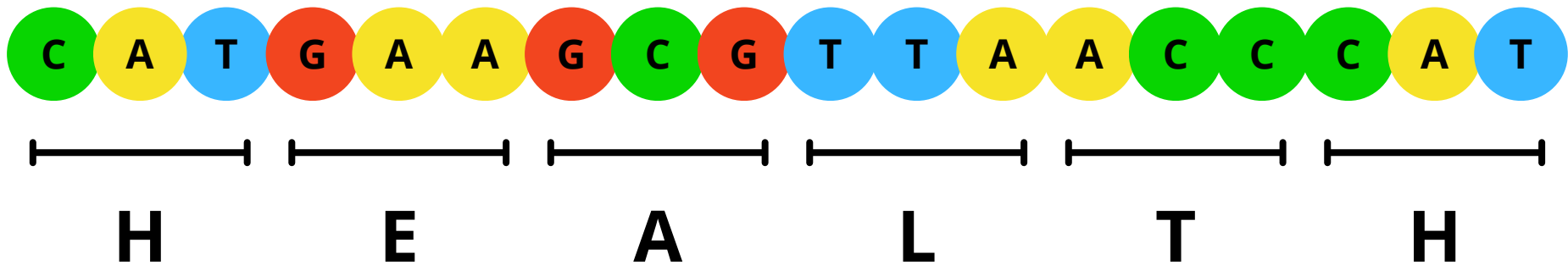
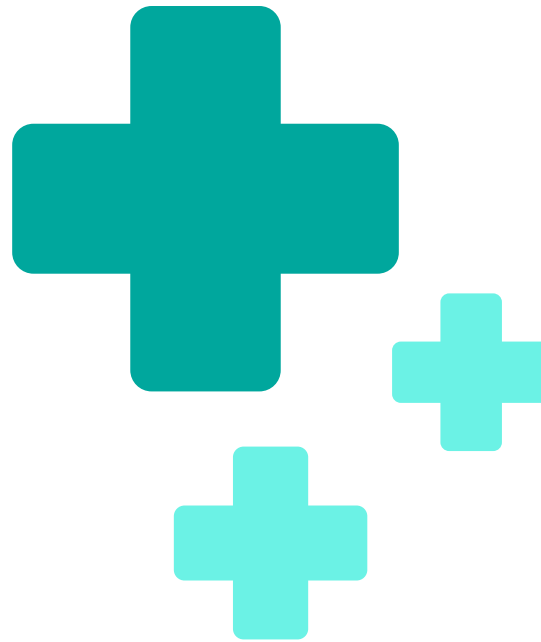
# SCIENCE



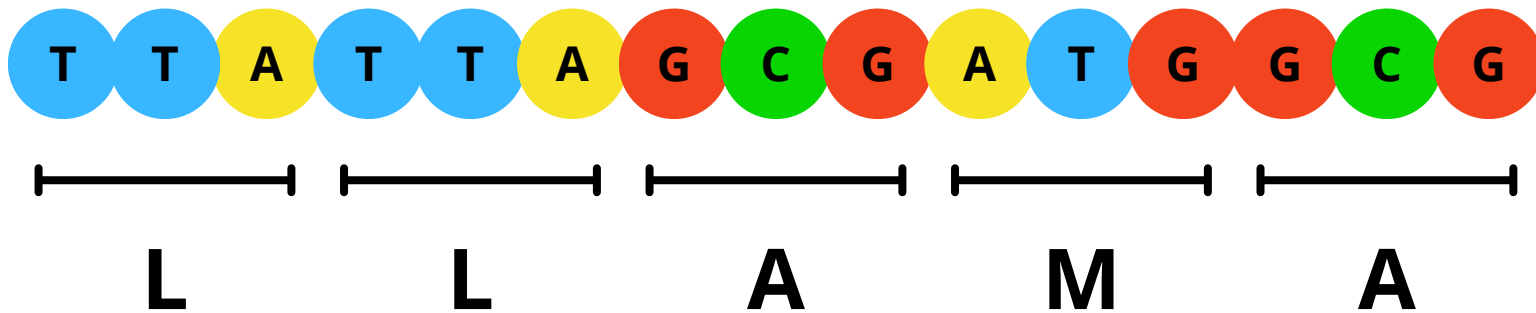
# BIOLOGY



# HEALTH



# LLAMA





# Want to make your own word?

## Plan it out here

