



Genes and DNA!





DNA stands for **D**eoxyribo**N**ucleic **A**cid.
The instructions of how to make people, animals,
plants and bacteria.

Made up of 4 chemicals: **A**, **C**, **T** and **G**.





People have 3,000,000,000 letters:

ACTGCGATGCGCATGCGCACTGCGATGCGCATGCAACGATGCGATG
CAAACCTGCGATGCGCATGCGATGCGCAAACTGCGATGCGATA
CTGCGATACTGCGATGCGCACTGCGATGCGCATGCGATACTGCG
ATGCGATGCGATGCGATGCAAGCATGCGATGCAAGCATGCC
TGCGATACTGCGATGCGATGCAAGCATGCAAACTGCGATGC
ATGCAAACTGCGATGCGATGCGCACTGCGATGACTGCGATGCGA
TGCAACATGCAATGCGATGCAAACTGCGATGCGATGCGAA.....





The order of DNA makes different **Genes**.
Different versions make **Phenotypes**.

Blue Eyes / Brown Eyes

Purple Flowers / White Flowers

Brown Hair / Blonde Hair / Black Hair

Black Fur / Ginger Fur

Pointy Beak / Round Beak

Male / Female

Tall / Short





What we're going to do:

Guess Who!

Sequence DNA to find out
what our person looks like!

