What makes us Different?

What are 5 things that are different? (Appearance)





Taylor Swift

Hayao Miyazaki

Now look at your partner.

What are 5 things that are different?

What makes us different?

Two things make us different:

1. Inherited information (from our parents)



2. The Environment (scars, diet, etc.)



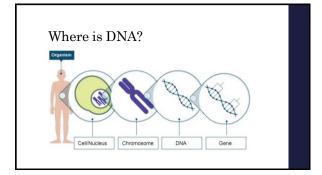
DNA and Genes

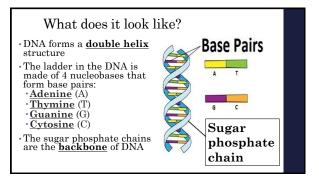
(DeoxyriboNucleic Acid)

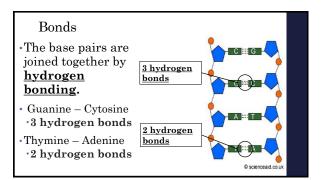
What is DNA?

- DNA is a **molecule**.
- It carries genetic information and acts as a 'recipe' for all living organisms.



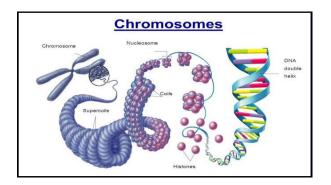






Fun Fact:

If you stretch out the DNA from 1 cell, it is about 3m long.



Fun Fact:

If you stretch out the DNA from 1 cell, it is about 3m long.

Your body has about 10 trillion cells 10,000,000,000,000

 $\left(3 \ \frac{\text{meters of DNA}}{\text{cell}}\right) \left(10^{13} \ \frac{\text{cells}}{\text{body}}\right) = 3 \times 10^{13} \ \frac{\text{meters of DNA}}{\text{body}}$

30,000,000,000 km of DNA



