

Week One

Pulling it all together

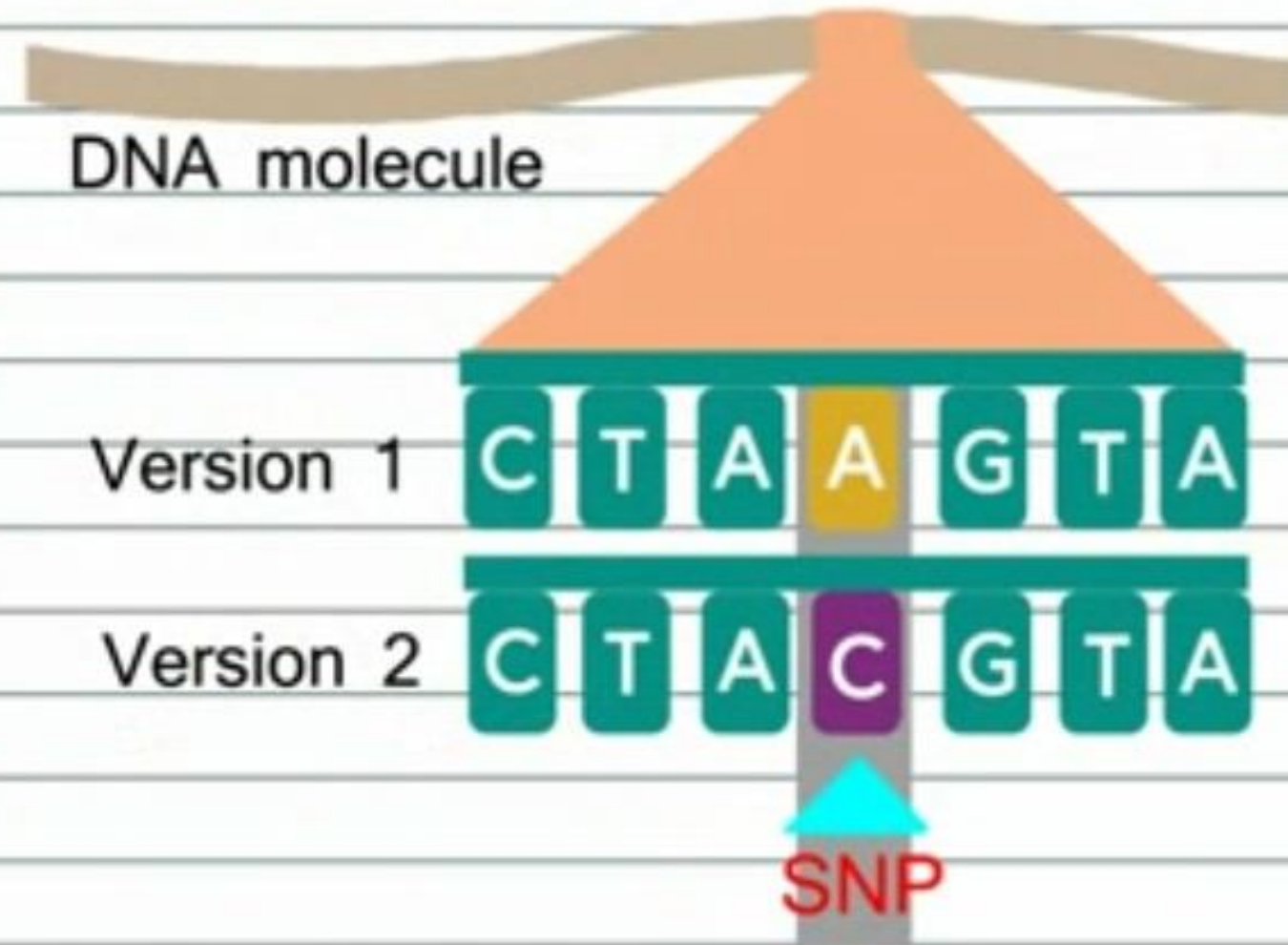


This week we have learnt that

1. The genome is made up of DNA and is packaged into the nuclei of cells as chromosomes.

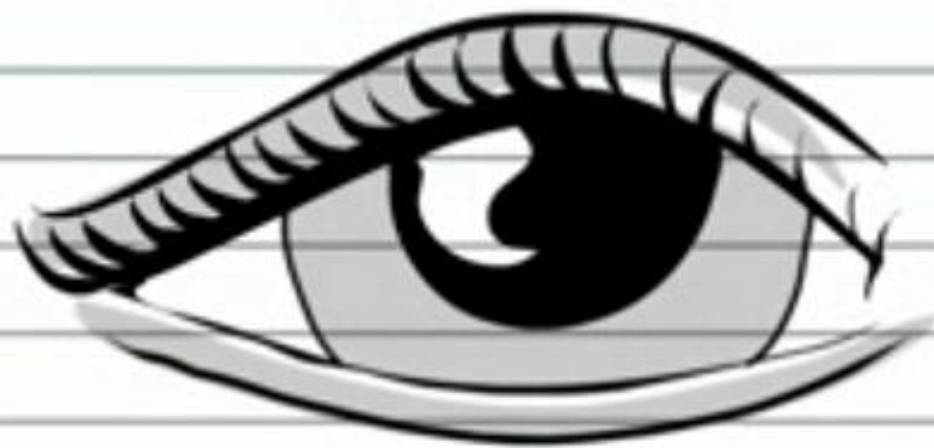


2. Genetic variation describes the many millions of alterations (mainly base substitutions) in each of our genomes that are normal and make us unique.



3.

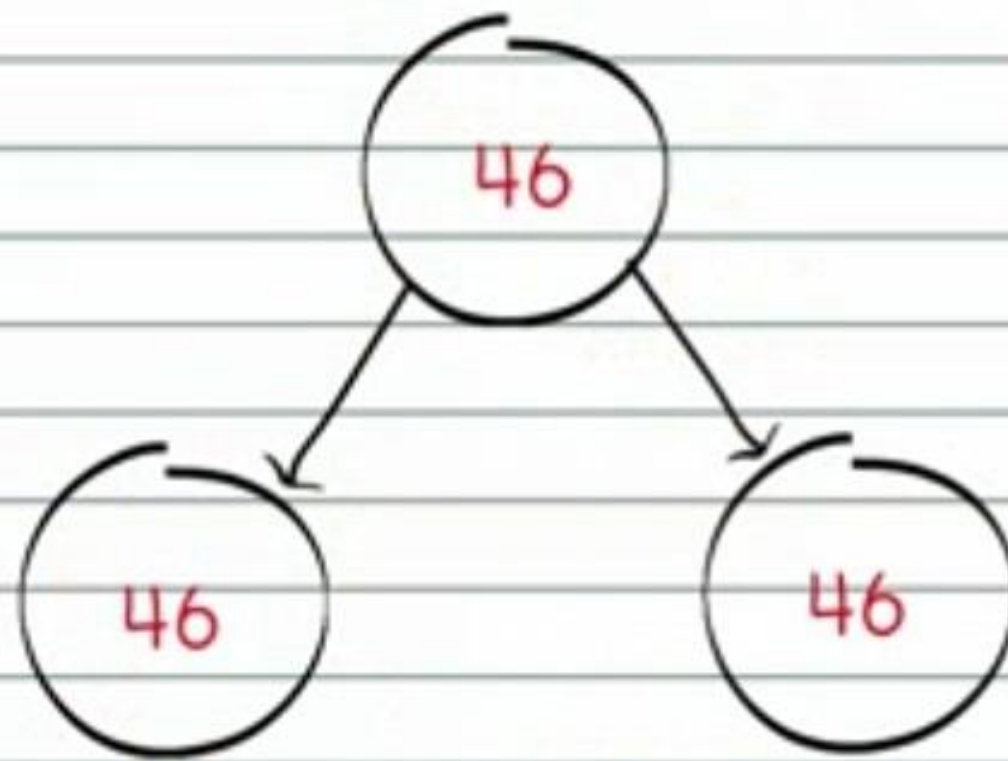
All cells in the body contain the same genes. These are switched on and off in different cells at different times to give cells their unique characteristics.



4.

Mitosis

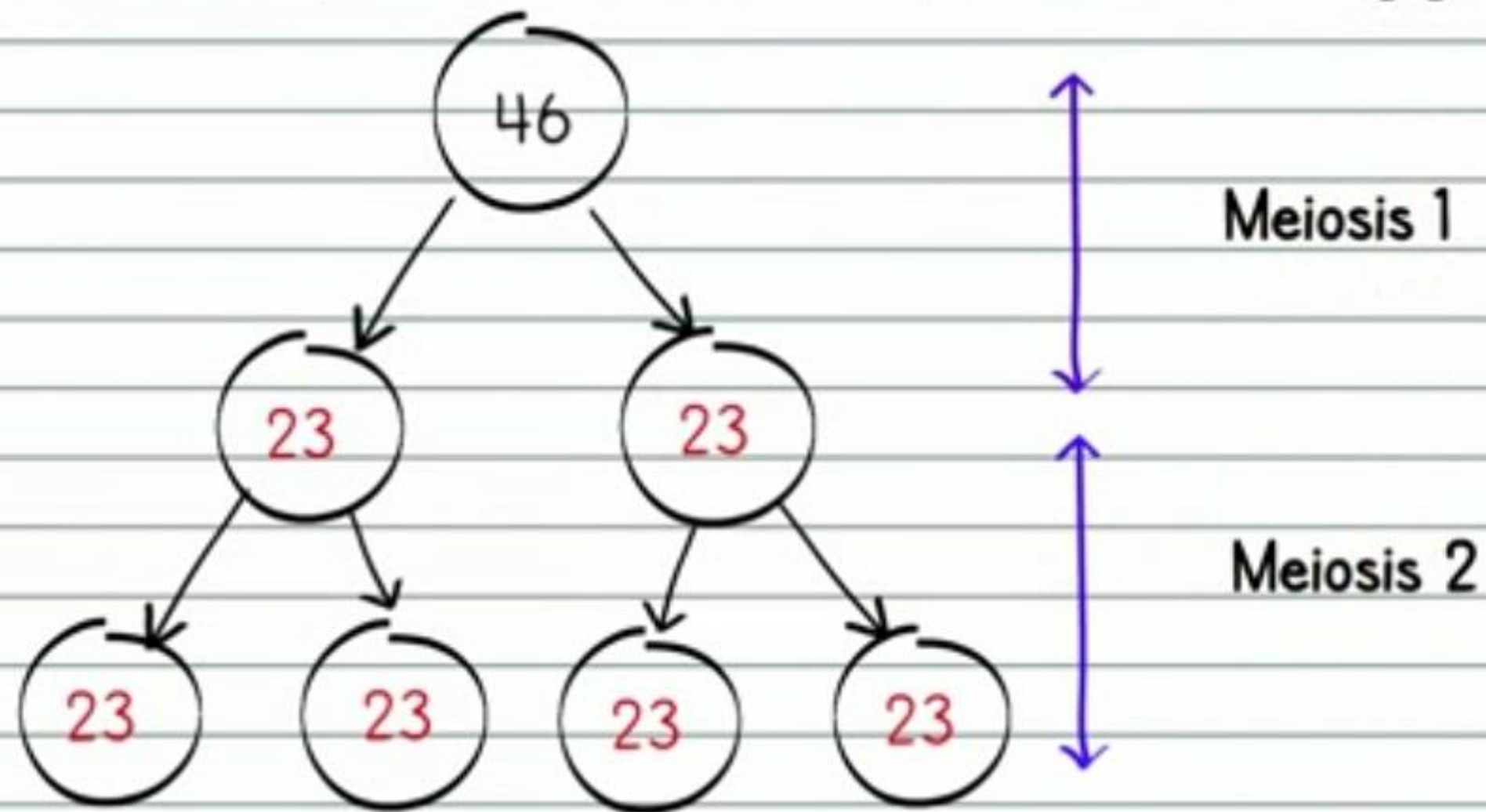
Occurs during normal division of body cells



4.

Meiosis

Occurs in the production of sperm and eggs



Key words

DNA

Switch on/off

Mitosis

Genetic variation

Genes

Genome

Meiosis

Chromosomes

Cells

SNP

Come back for Week 2 -

"When things go wrong with
our genes and chromosomes"

