

Sexual Reproduction


Oct. 17

2 parents.


Each parent makes **gametes**: sex cells with half the chromosomes.
This occurs through **meiosis**.

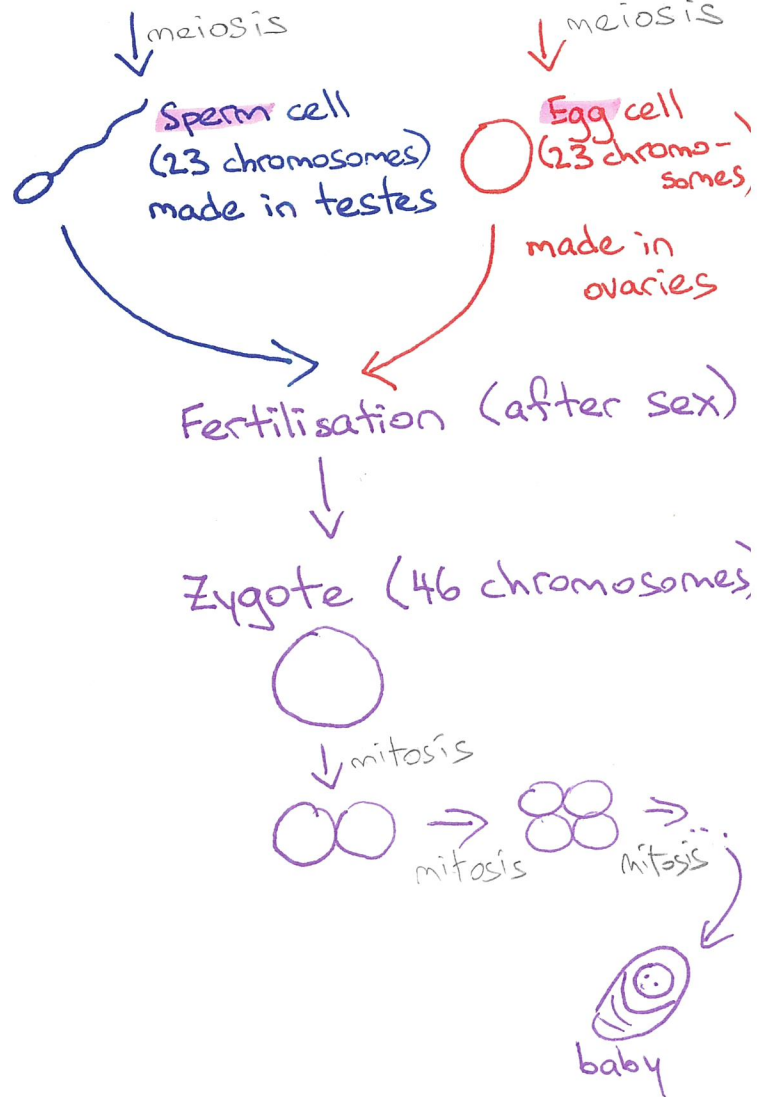
Fertilisation: sperm and egg come in contact and fuse. Their genetic information combines.
A **zygote** is formed with half the DNA from each parent.

Male Parent

 46 chromosomes
(23 pairs)

Female Parent

 46 chromosomes
(23 pairs)



Homologous Chromosomes

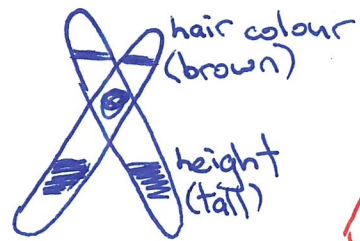
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Humans have 23 homologous pairs of chromosomes.

Homologous chromosomes have:

- same length
- same centromere location
- same genes at the same locations

↳ Gene: a part of DNA that is responsible for a trait.



Sex chromosomes are a special pair of chromosomes that determine your biological sex.

Sex is assigned at birth.

XY: male

XX: female

Gender: is how a person identifies (includes role, behaviour, expression, identity)