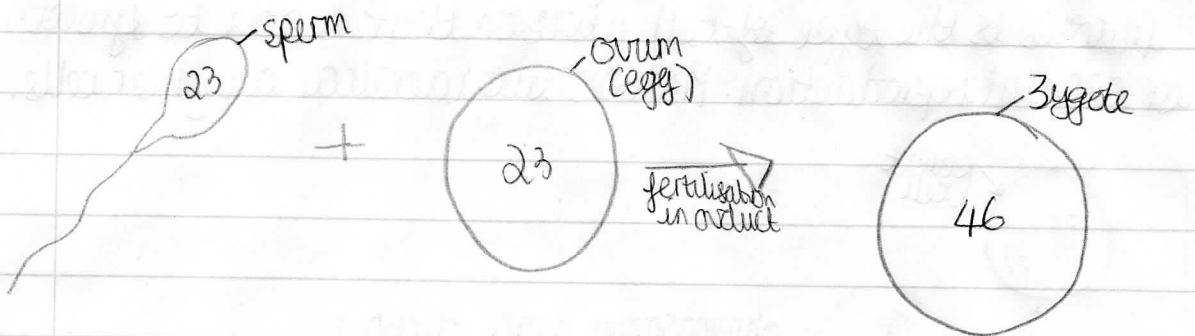
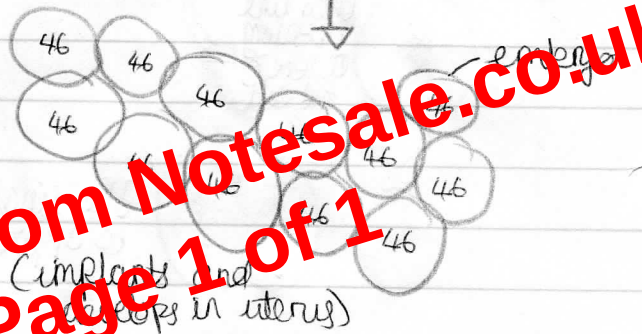


Fertilisation



Sexual reproduction gives variation as when gametes fuse, one of each pair of alleles comes from each parent. (mixture of genes)

FERTILISATION IS THE JOINING TOGETHER OF GAMETES.



female gametes provide an X chromosome
male gametes can provide either a X or a Y

Inheritance

- Humans have 23 pairs of chromosomes.
- 22 pairs are homozygous.
- final pair is known as sex chromosomes which is either X or Y.

MENDEL

Mendel reached 3 important conclusions about heredity in plants.

- Characteristics are determined by genes which is passed on (one from each parent.)

- Genes can be dominant or recessive (if heterozygous, dominant characteristic will be expressed.)