1.3 C1 Gametes and Fertilization

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Science 9 - Topic 1.3 - Concept 1: Male and female reproductive cells combine to produce a zygote.

Animals and many other living things reproduce

- Half of an offspring's DNA is from the temale
- Other half is from the male

Sex Cells: Gametes

Male or female reproductive cells; the cells that combine during sexual reproduction

- Male gamete: Sperm cell produced in testes
 - Sperm cells have a unique look, with their long "tails" or <u>tlagella</u>
- Female gamete: egg cell (ovum) produced in <u>Ovaries</u>
 - Egg cells are much <u>bigger</u> than sperm cells and <u>ack</u> flagella.
 - What does the presence or absence of flagella on sex cells tell you about their mobility? Sperm cells needs to swim!

cell doesn't need to move a lot. Haploid vs. Diploid



habloid cells (have half Gametes are the number of normal chromosomes)

with

- When they combine in sexual reproduction, they form a Zygote which is a diploid cell (have the full number _ of chromosomes)
 - Body cells are diploid cells (example: Skin cells)





