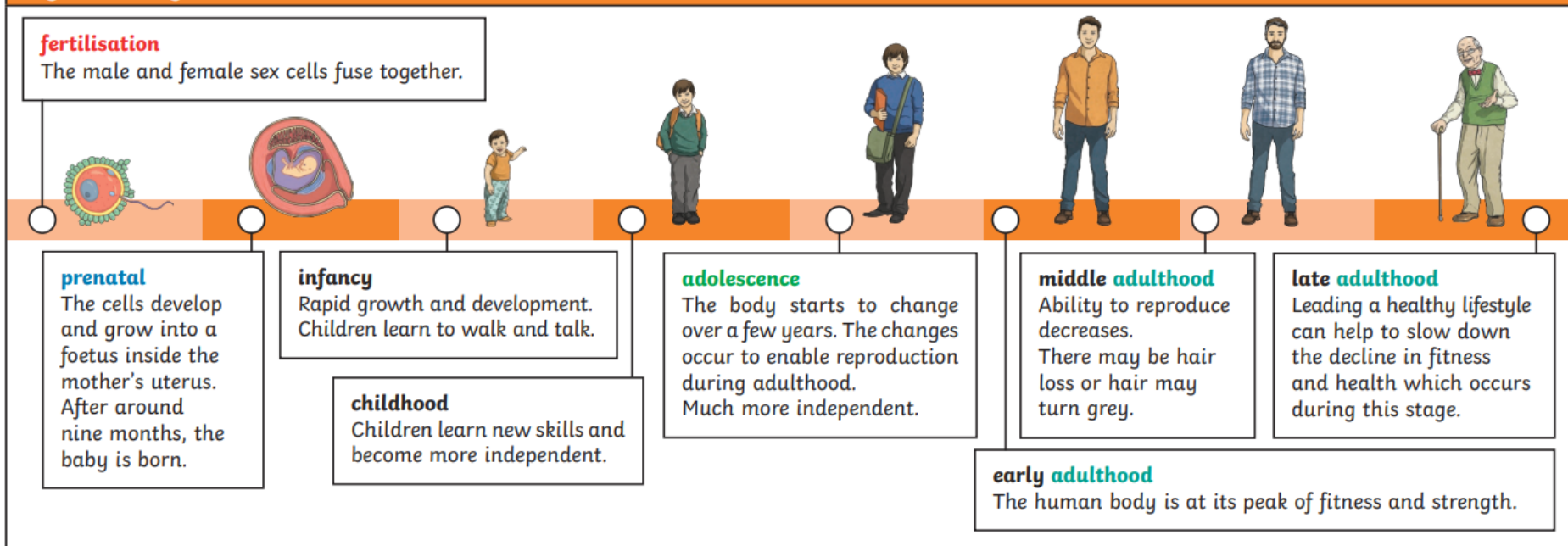


Reproduction Knowledge Organiser

Key Vocabulary

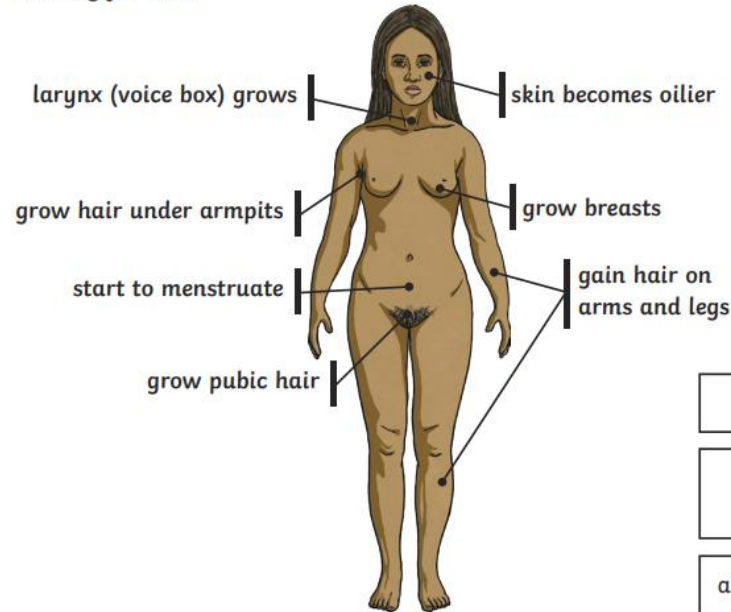
fertilisation	The process of the male and female sex cells fusing together.
prenatal	The stage of development from the time of fertilisation to the time of birth.
gestation	The process or time when prenatal development takes place before birth.
reproduce	To produce young.
asexual reproduction	A process where one parent produces new life.
sexual reproduction	A process where two parents – one male and one female – are required to produce new life.
life cycle	The changes a living thing goes through, including reproduction.
adolescence	The social and emotional stage of development between childhood and adulthood .
puberty	The physical stage of development between childhood and adulthood .
menstruation	When the female body discharges the lining of the uterus. This happens approximately once a month.
adulthood	The stage of development when a human is fully grown and mature.
life expectancy	The length of time, on average, that a particular animal is expected to live.

Key Knowledge

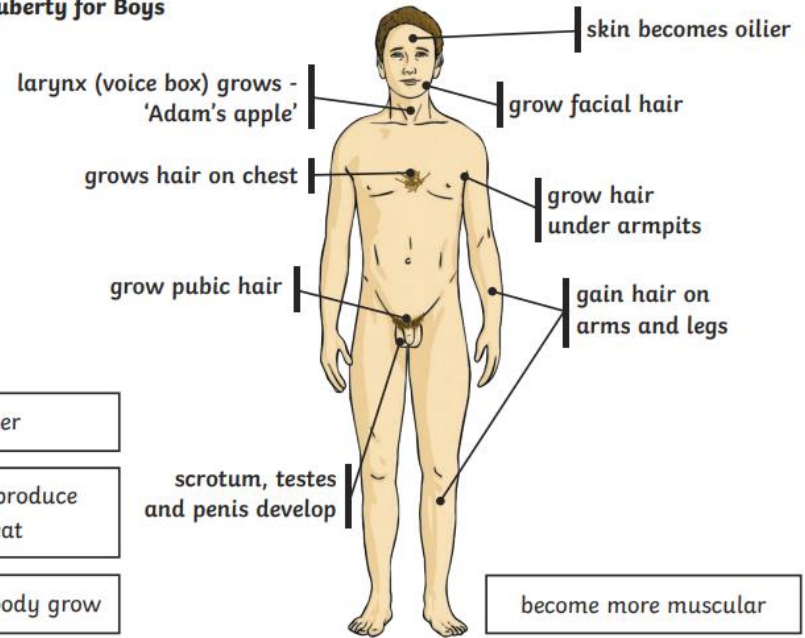


Key Knowledge

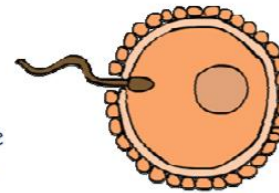
Puberty for Girls



Puberty for Boys



Females produce **egg cells** and males produce **sperm cells**. These are tiny, special cells which each contain half of the genetic information required to build a new individual. When the male and the female come together and mate, the sperm enters the egg and **fertilises** it, creating a new cell called a **zygote**. The zygote contains both the information from the egg cell and sperm cell and contains enough information to grow into a new individual - the offspring.



A sperm cell fertilising an egg cell, forming a zygote

The zygote cell makes lots of copies of itself by growing and splitting. This group of cells is called an **embryo**.

As the embryo grows, certain cells become more specialised and will go on to form blood, bone, skin, and brain cells. The embryo starts to take on a more definite shape.