

During puberty, we can expect to grow, for hair to grow on our bodies and for genitalia to grow. It can also affect our mood due to hormonal changes.

Knowledge Organiser Reproduction, Gestation and Growth

In old age, we can expect degeneration – for example: eyesight and hearing declines, we may get grey hair and our memories fade.

ROCKET WORDS

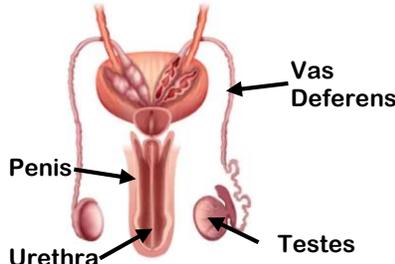
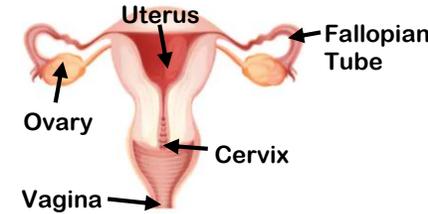
Learn these words and their definitions.

Key Word	Definition
reproduce	A make again or make a copy – to create new life.
puberty	The period of life when a person's sexual organs mature and other body changes take place.
adolescence	The period after puberty when a person develops from a child in to an adult.
hormone	A natural substance produced in the body that influences how we grow.
memory	How the mind stores and remembers information.
childhood	A stage of life which starts at birth and ends when someone enters adolescence.
gestation	The period of time and process between fertilisation and the birth of offspring.
fertilisation	When a sperm and egg join together to start a new life.

Reproductive Organs and Cells

Female Reproductive System

The female reproductive organs are designed to enable fertilisation and birth. Each month, a female releases an egg from her **ovary**, which travels down the **fallopian tube** towards the **uterus**. If it meets a male sperm and fertilises, the baby is grown inside the uterus. The entrance of the **vagina** is able to widen, which allows the new-born baby to emerge.



Male Reproductive System

The male reproductive system works by the **testes** producing and storing millions of tiny **sperm cells**. During sexual intercourse, the sperm travels through the **vas deferens** in a fluid called semen and into the **urethra**. During ejaculation, millions of sperm cells are released from the **penis** and one can fertilise a female egg – the start of making a baby.

Fertilisation

This is the point when a **sperm cell** and an **egg cell** meet inside the female. When a male **ejaculates**, millions of sperm swim to meet the egg. Many of these are killed or destroyed, but one may penetrate the egg and **fertilise** it. The sperm and the egg each contain half the information needed to make a new person; once these cells have fused together, a new person begins to grow.



Lesson Sequence

- 1 Know about life cycles
- 2 Know about reproductive organs
- 3 Exploring gestation periods
- 4 Describe the changes which happen in childhood
- 5 Understand changes which happen in adolescence
- 6 Describe the changes as humans develop to old age



- Death
- Old Age
- Adult
- Adolescence
- Childhood
- Baby & Toddler
- Birth

Stages of Life

