

# Knowledge Organiser: Y7 Reproduction

## Male Reproductive Organs

**Testes:** Produces sperm cells and releases the male sex hormone testosterone.

**Penis:** Allows urine and semen to pass out of the man's body.

**Scrotum:** A bag of skin that contains the testes.

**Gland:** Produces fluids that mix with sperm cells to make semen.

**Sperm Duct:** Carries sperm cells from the testes to the urethra.

**Urethra:** A tube that carries urine and semen. It has a ring of muscle to keep these separate.

## Female Reproductive Organs

**Ovary:** Contains hundreds of undeveloped egg cells. Every month, an egg cell matures and is released.

**Oviduct or fallopian tube:** Carries egg cells from the ovaries to the uterus and is where fertilisation occurs.

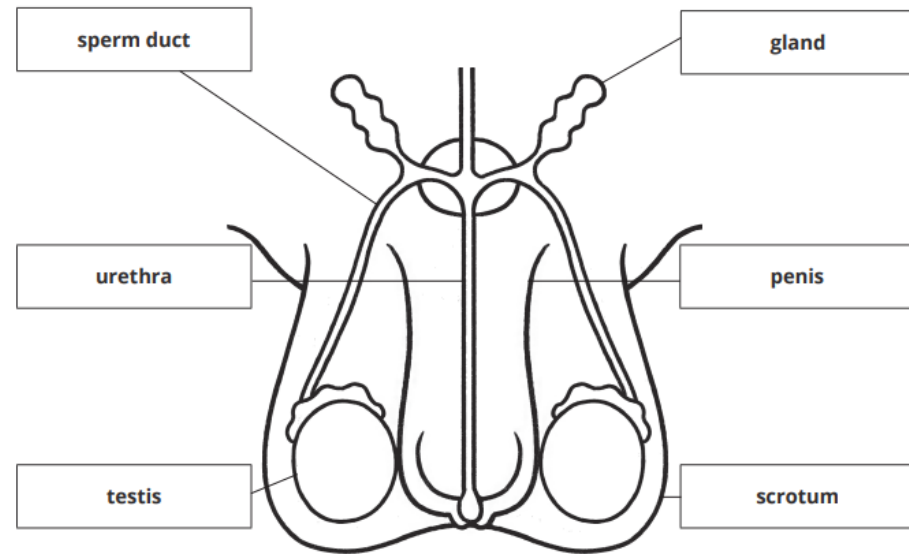
**Uterus, or womb:** Where the baby develops during pregnancy.

**Uterus lining:** A blood-rich layer of tissue in which an embryo implants. This tissue is lost each month during menstruation.

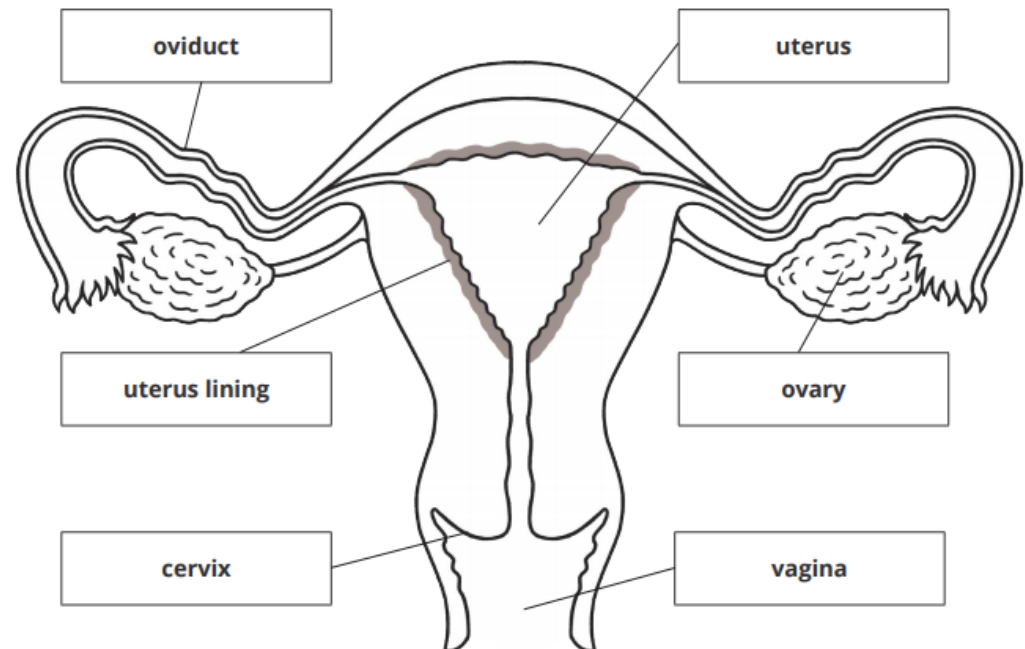
**Vagina:** A muscular tube that leads from the cervix to the outside of the body.

**Cervix:** A ring of muscle at the lower end of the uterus. This keeps the baby in place during pregnancy.

## The Male Reproductive System

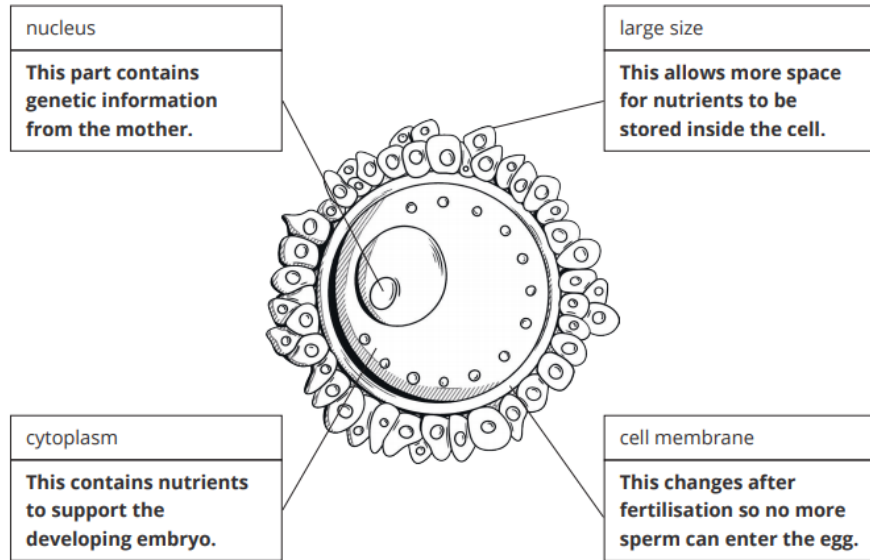


## The Female Reproductive System

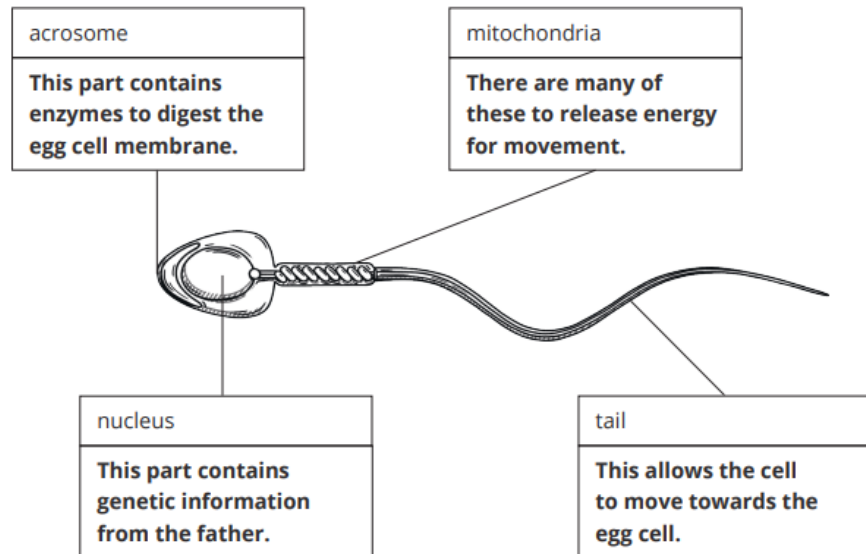


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## Egg Cell



## Sperm Cell



## Key Terms:

**Gamete:** The male gamete (sex cell) in animals is a sperm, the female an egg.

**Fertilisation:** The fusion of the nucleus of a male gamete (sperm) with the nucleus of a female gamete (egg/ovum), producing a new cell called a zygote. This then matures into an embryo and eventually a foetus.

**Ovulation:** Release of an egg cell during the menstrual cycle, which may be met by a sperm.

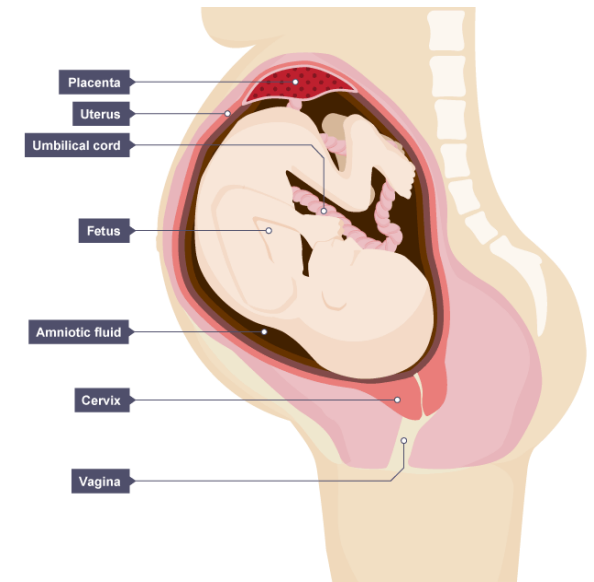
**Foetus:** The developing baby during pregnancy.

**Placenta:** Organ that provides the foetus with oxygen and nutrients and removes waste substances.

**Amniotic fluid:** Liquid that surrounds and protects the foetus.

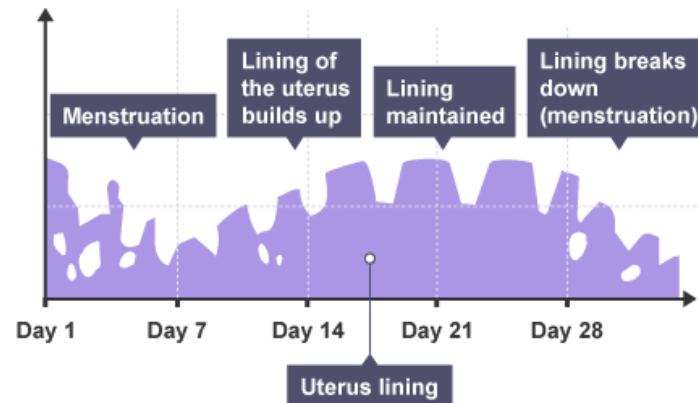
**Umbilical cord:** Connects the foetus to the placenta.

## A Developing Foetus



## The Menstrual Cycle

Day 1: lining of the uterus breaks down, this causes bleeding from the vagina (menstruation also known as a period).



Once blood loss stops, the lining of the uterus builds up again.

Day 14: the mature egg cell is released from the ovary. This is called **ovulation**.

If the egg cell is not fertilised the cycle then repeats.