

The Reproductive System

Chapter 13: The Reproductive System · Topic 1

Key Concept

The male reproductive system produces sperm in the testes, with hormones like testosterone regulating development and sperm production.

The female reproductive system produces eggs in the ovaries, with the menstrual cycle regulated by hormones like oestrogen and progesterone.

Fertilisation occurs when a sperm fuses with an egg, typically in the fallopian tube, forming a zygote that develops into an embryo.

Understanding the reproductive system, including the menstrual cycle and fertilisation, is essential for understanding human reproduction and health.

Quick Revision Notes

- Male system: sperm produced in testes.
- Testosterone regulates male development.
- Female system: eggs produced in ovaries.
- Menstrual cycle regulated by oestrogen, progesterone.
- Fertilisation: sperm fuses with egg.
- It typically occurs in the fallopian tube.
- This forms a zygote, developing into an embryo.
- Understanding this is key to reproductive health.

Practice Questions

- 1 Diagram the male reproductive system's main organs.
- 2 Diagram the female reproductive system's main organs.
- 3 Explain the menstrual cycle's main phases.
- 4 Discuss the process of fertilisation.
- 5 Research the role of hormones in reproduction.
- 6 Explain the reproductive system in your own words.