Human reproductive structures

Student activity • observation and reasoning

YEAR 11 / LESSON 85 / BIOLOGY + SCIENCE (DOUBLE AWARD)

The question

How do reproductive structures support gamete production, fertilisation and development?

Use the supplied examples, record your reasoning and correct it using evidence.

Equipment

- Student booklet, pencil and ruler
- Labelled and unlabelled human reproductive-system diagrams

Paper, modelling and written reasoning only. No chemicals or biological samples are handled.

Course coverage: Shared Biology / Double Award: 3.8. Reproductive anatomy and functions.

Plan, model or apparatus sketch

Draw and label the apparatus or biological model; identify one limitation.

Method and reasoning

Read the whole sequence before starting

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1. Label testes, scrotum, sperm ducts, accessory glands, urethra and penis on a scientific diagram.

2. Label ovaries, oviducts, uterus, cervix and vagina on a second diagram.

3. Trace sperm transport and distinguish sperm cells from semen containing gland secretions.

4. Trace the egg from ovary to oviduct and identify the usual site of fertilisation.

5. Distinguish fertilisation in an oviduct from implantation and development in the uterus.

6. Link each named structure to a function using precise anatomical terms and respectful discussion without requesting personal experiences.

Cleanup

- Return models and keep the corrected work.

Record your evidence

Blank spaces are for your own work

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Reference and task data

Testes produce sperm; ovaries contain developing eggs and release an egg at ovulation. Fertilisation usually occurs in an oviduct. The uterus supports implantation and development. Diagrams are simplified biological models and should be discussed respectfully.

Example / trial	Observation / evidence	Explanation / limit
Evidence / comparison		
Explanation		
Limit / correction		

Show your calculations, labelled model or correction here.

Explain and evaluate

Use evidence and show calculation steps where relevant

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1. Where are sperm produced?

2. What carries sperm away from testes?

3. What is semen?

4. Where is an egg usually fertilised?

5. Where does implantation occur?

6. Is the vagina the same structure as the uterus?