

Mammalian Reproduction - Fertilisation, Implantation, Pregnancy and Birth

Use this worksheet after reading the lesson to practise the key ideas and prove you can meet the success criteria.

Name _____
Date _____
Class _____

1. Key Ideas

One successful mammalian birth depends on far more than fertilisation alone. Sperm and egg must meet in the correct place, the embryo must implant into the uterine wall, the placenta must support exchange for months, and hormonal signals must coordinate pregnancy, labour and lactation.

- How sperm and egg structure relate to their functions.
- Why successful pregnancy depends on implantation and hormonal maintenance.

2. Success Criteria

By the end, you should be able to:

- How sperm and egg structure relate to their functions.
- The sequence from fertilisation in the oviduct to implantation in the uterus.
- The roles of the placenta, embryo and fetus during pregnancy.

3. Key Terms

Fertilisation

Fusion of sperm and egg to form a diploid zygote.

Blastocyst

An early embryo stage formed after repeated cell division, ready for implantation.

Implantation

Attachment and embedding of the blastocyst into the uterine lining.

Placenta

An organ that enables exchange between maternal and fetal blood systems without direct mixing.

Embryo / fetus

Developing stages of the offspring during pregnancy.

Oxytocin

A hormone involved in uterine contractions and milk ejection.

4. Activity: Build the Lesson Map

Use the lesson to complete the table. Keep answers brief but specific.

Prompt	Your answer
Main concept	
Important example	
Common mistake to avoid	
How this links to the next lesson	

5. Short Answer Questions

1. Explain this lesson goal in your own words: "How sperm and egg structure relate to their functions.". Use one specific example from the lesson.

BAND 3 **2 MARKS**

2. Apply this idea to a new example: "The sequence from fertilisation in the oviduct to implantation in the uterus.". Show your reasoning clearly.

BAND 4 **3 MARKS**

3. Analyse why this idea matters for understanding Mammalian Reproduction - Fertilisation, Implantation, Pregnancy and Birth: "The roles of the placenta, embryo and fetus during pregnancy.".

BAND 5 **4 MARKS**

6. Extend: Apply the Idea

BAND 5/6

5 MARKS

A student gives a memorised answer about Mammalian Reproduction - Fertilisation, Implantation, Pregnancy and Birth but does not use evidence or reasoning.

Improve the answer by writing a stronger response that uses accurate terminology, a relevant example and a clear explanation.

7. Multiple Choice

1. What is the best first step when answering a question about Mammalian Reproduction - Fertilisation, Implantation, Pregnancy and Birth?

- A. Identify the key concept being tested
- B. Write every fact from memory
- C. Ignore the command word
- D. Skip examples and evidence

2. Which answer would show stronger understanding of Mammalian Reproduction - Fertilisation, Implantation, Pregnancy and Birth?

- A. An answer with accurate terms and reasoning
- B. A copied definition only
- C. A single-word response
- D. An answer with no example

3. What should you do if a question asks you to explain?

- A. Link the idea to a reason or cause
- B. List unrelated facts
- C. Only draw a diagram
- D. Write the shortest possible answer

8. Success Criteria Proof

Finish with evidence that you can do each success criterion.

SUCCESS CRITERION 1

Prove that you can: How sperm and egg structure relate to their functions.

BAND 3

2 MARKS

SUCCESS CRITERION 2

Prove that you can: The sequence from fertilisation in the oviduct to implantation in the uterus.

BAND 4

3 MARKS

SUCCESS CRITERION 3

Prove that you can: The roles of the placenta, embryo and fetus during pregnancy.

BAND 5

4 MARKS

One thing I still need help with:
