



LKPD – GAMETOGENESIS

The Journey of Gamete Formation

Name : _____

Class : _____

Date : _____



Learning Goal

After this activity, I can:

- identify the process of spermatogenesis and oogenesis;
- explain the final products of each process;
- compare spermatogenesis and oogenesis.

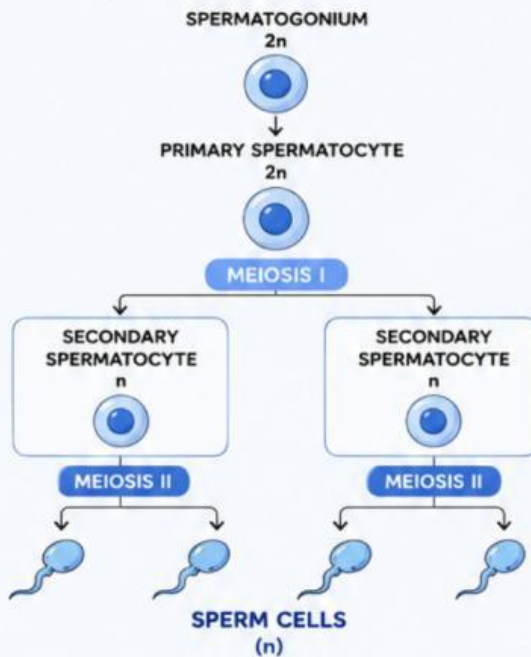


A. OBSERVE THE PROCESS

Look at the diagrams below carefully!

1. SPERMATOGENESIS

Location: Testes

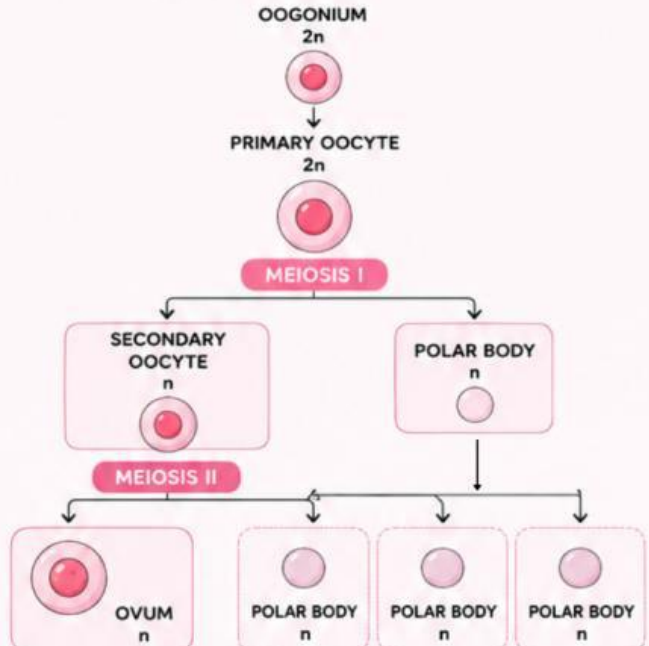


One primary spermatocyte produces:

→ functional sperm cells.

2. OOGENESIS

Location: Ovaries



From one primary oocyte, the final products are:

ovum polar bodies

B. LET'S COMPARE!

Complete the table below!

Feature	Spermatogenesis	Oogenesis
Location	_____	_____
Final product	_____	_____
Number of main functional gametes	_____	_____
Other products	_____	_____

C. QUICK CHECK!

Choose the correct answer!

1. Which process produces 4 functional gametes?

- ☐ A Spermatogenesis
- ☐ B Oogenesis

2. Which process produces 1 ovum and 3 polar bodies?

- ☐ A Spermatogenesis
- ☐ B Oogenesis

3. Both processes involve:

- ☐ A Mitosis only
- ☐ B Meiosis

REMEMBER THIS!

SPERMATOGENESIS
→ 4 SPERM CELLS
All are functional

OOGENESIS
→ 1 OVUM + 3 POLAR BODIES
Only 1 main functional gamete



KEY IDEA

Spermatogenesis produces 4 functional sperm cells, while oogenesis produces 1 ovum and 3 polar bodies.

