

SPERMATOGENESIS

GEMATOGENESIS

↳ PRODUCTION OF SEX CELLS

SPERM

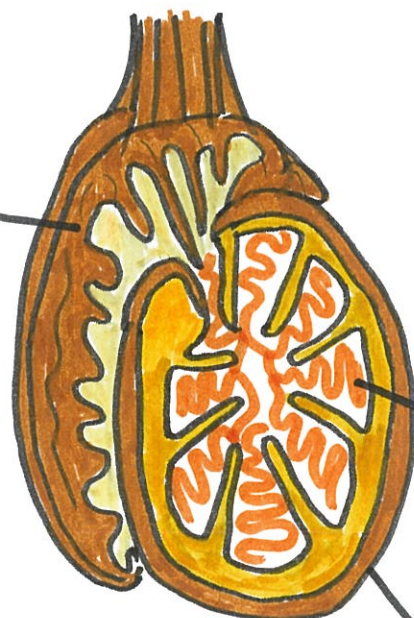
EGGS

SPERMATOGENESIS

↳ PRODUCTION OF SPERMATOZOA

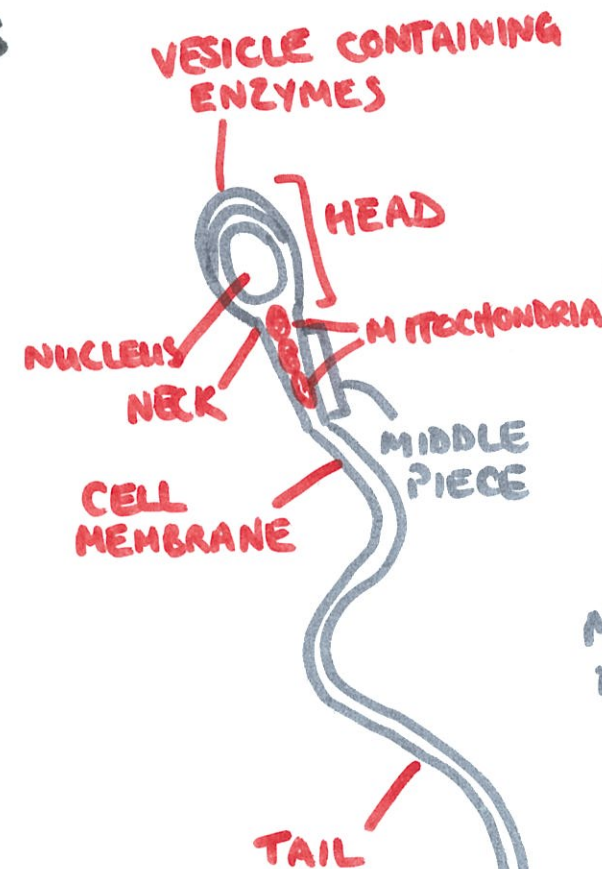
↳ OCCURS IN TESTES IN SEMINIFEROUS TUBULES

EPIDIDYMIS
→ WHERE
IMMATURE
SPERM MATURE



SEMINIFEROUS
TUBULES

TESTES



STRUCTURE
OF
SPERMATOZOA

DAUGHTER
CELL
SPERMATAGONIUM
REMAIN AVAILABLE
SO MORE GAMETES
CAN BE MADE AT A
LATER TIME

OUTER MEMBRANE
OF SEMINIFEROUS TUBULE

SPERMATATONIUM (CELLS
THAT MAKE GAMETES)
**DIPLOID - 46
CHROMOSOMES**

MITOSIS

$2n$

MITOSIS

$2n$

DAUGHTER CELL
SPERMATAGONIUM
MOVE AWAY FROM
CELL MEMBRANE

$2n$

PRIMARY SPERMATOCYTE

1st MEIOTIC
DIVISION

n

n

SECONDARY SPERMATOCYTES
(23 CHROMOSOMES - HAPLOID -
BUT DOUBLE CHROMOSOMES)

2nd MEIOTIC
DIVISION

n

n

n

n

SPERMATIDS PRODUCED AT END
OF SECOND MEIOTIC DIVISION

MATURATION
PROCESS IN
EPIDIDYMIS

