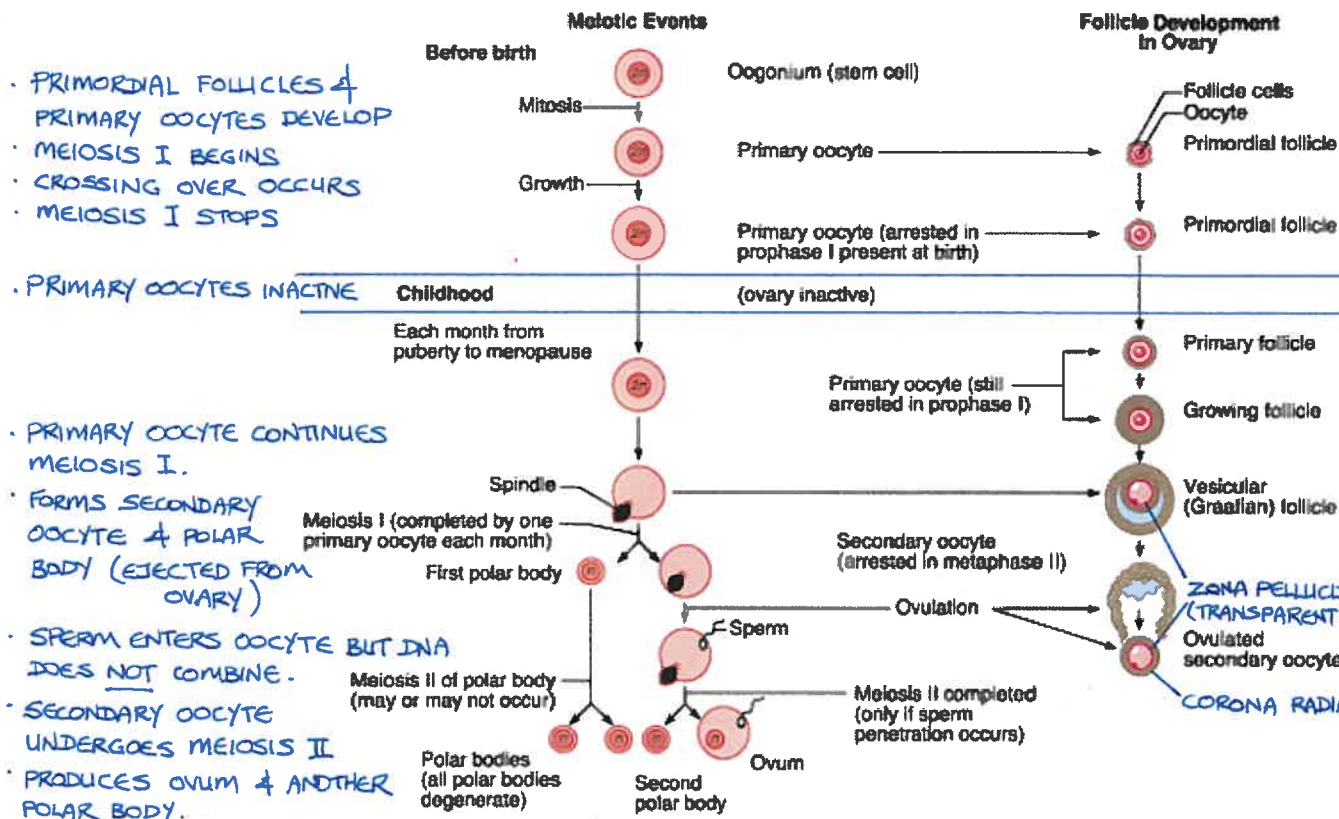


COMPARISON OF OOGENESIS & FOLLICULAR DEVELOPMENT



- PRIMORDIAL FOLLICLES & PRIMARY OOCYTES DEVELOP
- MEIOSIS I BEGINS
- CROSSING OVER OCCURS
- MEIOSIS I STOPS
- PRIMARY OOCYTES INACTIVE
- PRIMARY OOCYTE CONTINUES MEIOSIS I.
- FORMS SECONDARY OOCYTE & POLAR BODY (EJECTED FROM OVARY)
- SPERM ENTERS OOCYTE BUT DNA DOES NOT COMBINE.
- SECONDARY OOCYTE UNDERGOES MEIOSIS II
- PRODUCES OVUM & ANOTHER POLAR BODY.
- DNA FROM SPERM & OVA COMBINE.

- DEVELOPING FEMALE FOETUS' OVARIES CONTAIN 6-7 MILLION OOCYTES.
- MOST WASTE AWAY, LEAVING 1-2 MILLION AT BIRTH.
- AT PUBERTY, ONLY ABOUT 300,000 OOCYTES REMAIN.

- FOLLICULAR PHASE: (DAYS 1-14)**
1. PRIMORDIAL FOLLICLE → PRIMARY FOLLICLE
 2. PRIMARY FOLLICLE → SECONDARY FOLLICLE
 3. SECONDARY FOLLICLE → GRAAFIAN FOLLICLE
- ZONA PELLUCIDA FORMS AROUND PRIMARY OOCYTE
 - FOLLICULAR CELLS SECRETE FLUID, PUSHING FOLLICLE TO THE EDGE. BULGES FROM OVARY.

- OVULATION: (DAY 14)**
- SECONDARY OOCYTE IS EXPELLED FROM THE OVARY.
 - FIMBRIAE SWEEP SECONDARY OOCYTE INTO THE UTERINE TUBES.