Oogenesis

Primordial germ cell (2n)

Mitosis

Oogonium (2n)

Meiosis I

Primary oocyte (2n)　　**Some granulocytes**

Prophase I pause　　Start to appear

Primordial oocyte

Composed of

Primary follicle　　**Primary oocyte** (2n)

Mitosis

Early secondary follicle

Mitosis

Late secondary follicle

Prophase I resume
Meiosis I complete

Graafian follicle / Antral follicle

Secondary oocyte (1n)　　**1ˢᵗ Polar body** (1n)

Meiosis II　　Meiosis II

Corpus Luteum

3ʳᵈ & 4ᵗʰ Polar bodies (1n)

Metaphase II pause

Spermatozoon (1n)　　Fertilization　　**Ovum** (1n)　　**2ⁿᵈ Polar body** (1n)

Metaphase II resume
Meiosis II complete

Zygote (2n)

Legend

▬▬ (yellow)	During puberty
▬▬ (blue)	During fetal life
▪ (pink)	Haploid cell (1n) or contains one
▪ (green)	Diploid cell (2n) or contains one
▪ (magenta)	Does not contain any oocytes

Done by: Firas Hatahet