

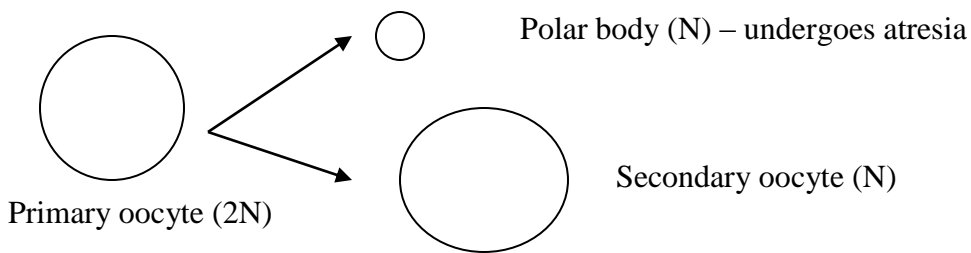
Oogenesis – the process of egg/ova production

Primordia
I follicle

1. During the first 5-6 weeks of fetal development, germ cells develop/differentiate into oogonia.

*Before birth, the oogonia differentiates into primary oocytes and begins meiosis I (but does not complete meiosis I until puberty)

2. At puberty (adolescence), FSH stimulates the primary oocyte to complete meiosis I and develop/differentiate into secondary oocyte.

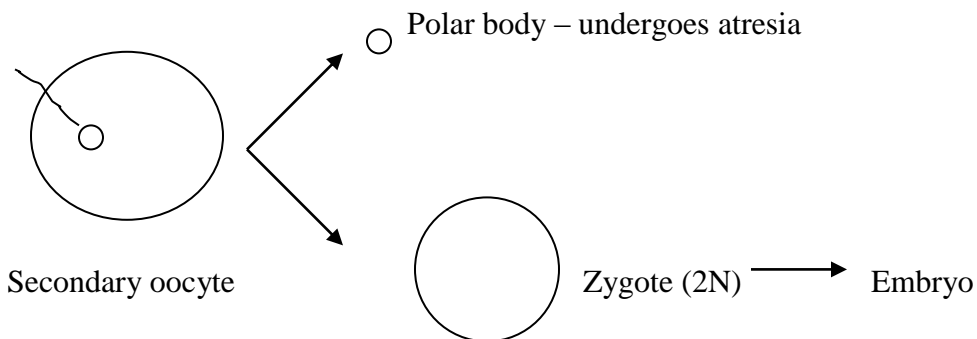


Primary follicle → mature follicle

3. During ovulation, LH stimulates the release of the secondary oocyte from the follicle (ovary).

*If fertilization occurs, the secondary oocyte will undergo meiosis II and form a zygote

*If fertilization does not occur, the secondary oocyte undergoes atresia



Mature follicle → Corpus luteum