

Unit Four Homework Assignment (with answers)
Female and Male Reproductive System (C27 & C28)

Comparing Meiosis to Mitosis (54 sec) - V1

1. What happens to the nuclear membrane as the chromosomes organize in meiosis and mitosis?
2. What occurs in meiosis but does not occur in mitosis? Significance?
3. How many division sequences occur in meiosis? Net result?
4. How many division sequences occur in mitosis? Net result?

Female Reproduction Cycle: Ovulation (30 min) - V2

1. The ovulatory and menstrual cycles are interconnected. But where is the location and what starts these cycles?
2. What is the function of GRH?
3. What are the stem cells called present in the ovary at birth?
4. Prepuberty, what happens to the oogoniums?
5. What causes a primary follicle to change into an early secondary follicle? Significant events?
6. What occurs in late secondary follicular cell?
7. What is the last stage of follicular development called?
8. What is another name to describe all the stages of follicular development before the formation of the Graffian follicle?
9. What type of follicle is the Graffian follicle?
10. What term describes all the different stages of development? How many days does this take place?
11. What happens as estrogen blood levels rises during mid follicular phase?
12. What happens during late follicular phase?
13. What is the ovulatory phase? Caused by? What day?
14. When does the luteal phase occur? Caused by? Results in formation of what? What days? Hormone produced by corpus luteum?