

Unit Four Study Guide
Reproductive System Female and Male (C27 / C28)
2023-11-26

Please Note: There are 34 questions about the reproductive system on the Unit Four Lecture Exam!

- 1 What is the difference between mitosis and meiosis? Haploid vs diploid?
- 2 What chromosome pair determines male?
- 3 Which gender secretes gonadotropin releasing hormone first? Significance?
- 4 What must happen in the mammary gland before prolactin will cause milk production?
- 5 When will the blastocyte be attached to the endometrium?
- 6 What are the four phases of the menstrual cycle?
- 7 What hormone dominates during the uterus proliferative phase?
- 8 What hormone dominates during the uterus secretory phase?
- 9 What is the effect of relaxin during the pregnancy and during labor?
- 10 What four hormones are produced by the corpus luteum?
- 11 What term describes the union of an egg and sperm?
- 12 What hormone is responsible for the "proliferation phase" of the menstrual cycle?
- 13 Where is the egg fertilized?
- 14 What hormone blood concentration increases rapidly (i.e. spikes) to cause ovulation?
- 15 What hormone is secreted by the corpus luteum to maintain the pregnancy?
- 16 On what day does ovulation occur?
- 17 What hormone is not secreted by the ovaries?
- 18 What week will the placenta become fully developed and functional?
- 19 What is the target tissue for human chorionic gonadotropin secreted by the blastocyte?
- 20 What is lost when the spiral arteries of the uterus contract?
- 21 When is intercourse most likely to result in a pregnancy?
- 22 What hormone provides negative feedback to gonadotropin releasing hormone to block the release of FSH?
- 23 What hormone mimics aldosterone and causes water retention?
- 24 After fertilization of the egg, when may you first detect human chorionic gonadotropin hormone in the urine?

- 25 What cells in the testes provide nutrients for the developing sperm?
- 26 What is the function for the blood-testis barrier?
- 27 What testes cell produce testosterone?
- 28 What cells in the male reproductive system secretes inhibin? Effect?
- 29 Where does spermatogenesis occur?
- 30 How many days may sperm stay viable in the epididymis?
- 31 What gland contributes the most volume to the semen?
- 32 Seminogelin function is to keep the ejaculated sperm trapped near the entrance of the cervix. (T/F)
- 33 What is the function of antigen binding protein? Produced by? Stops what? How?
- 34 What hormone inhibits LH? What is the target tissue for LH? Target tissue produces what?