

f) Estrogen F

F) Causes LH to be secreted

7. Explain what happens during the following days of the menstrual cycle.

1-5	Menstrual Phase
6-14	Proliferation Phase
15-28	Secretory Phase
1-13	An oocyte is developing – FSH causes ovarian follicle to mature
14	ovulation
11-15	Fertile period

8. Why does a female get her period? Endometrium shedding, did not get pregnant

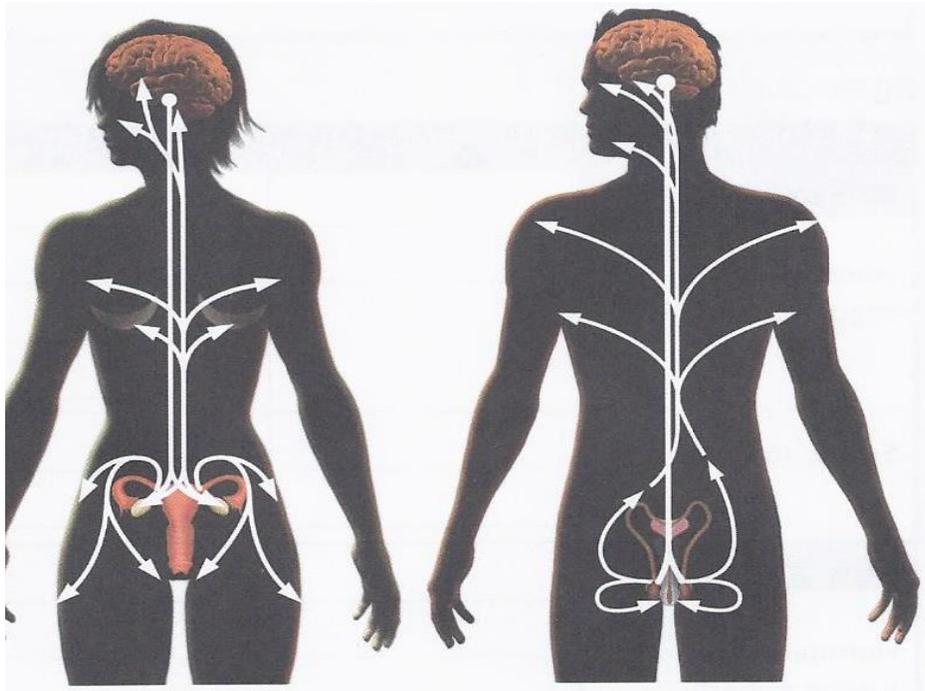
9. Explain how an erection occurs: penis fills with blood and gets rigid

10. Explain if a penis can ejaculate without being erect? No, must have erection for ejaculation but do not need to ejaculate with each erection

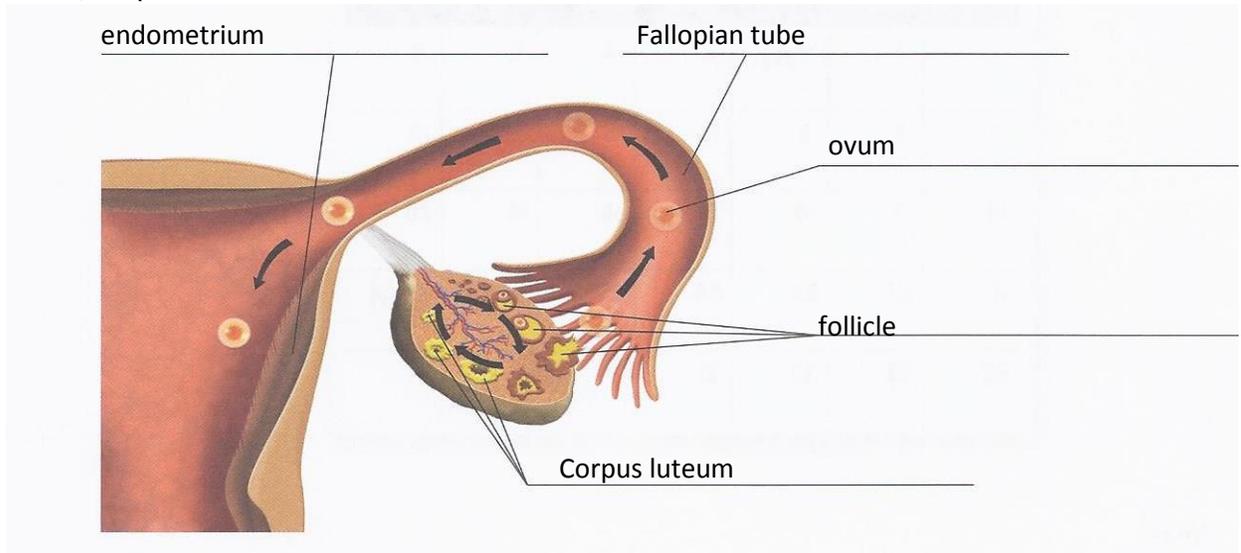
11. Why are males able to father children in their 70's? always produce sperm

12. If the ovum only lives 12-24 hours, why is a female fertile for 72 hours? Because the sperm can survive in the female for up to 72 hours

13. The effect of hormones responsible for puberty is indicated by arrows on these illustrations of a man and a woman. Colour the arrows representing the action of FSH and LH in red. Colour the arrows representing the action of estrogen, progesterone and testosterone in blue. Refer to txbk page 142-143

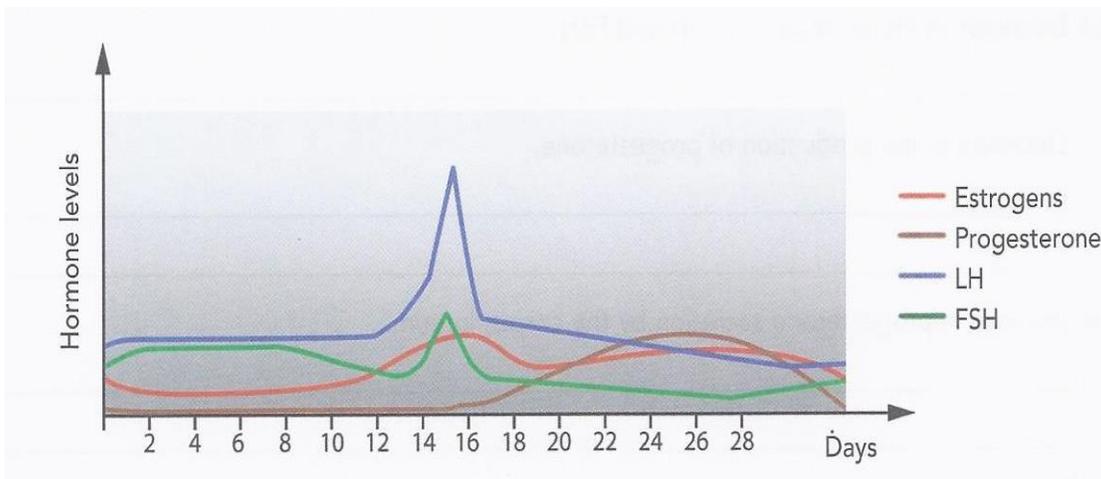


14. Identify the following structures on the picture below: fallopian tube, endometrium, ovum, corpus luteum and follicle.



15. Look at the graph below. What day will ovulation occur? **Day 14** How do you know?
Increase in LH Show the days which have the menstrual phase, the days which are the proliferation phase and the secretory phase days. **Days 1-5 = menstrual phase**
Days 6-14 = proliferation phase **Days 15-28 = secretory phase**

16.
17.



18. Fill in the blank

Sperm is produced in the **testicles**. The testicles are glands which secrete the hormone **testosterone**. This hormone causes **secondary** sexual characteristics. The gametes are **sex** cells. They each have **23** chromosomes which make them **haploid**. When the sperm meets the ovum a **zygote** is produced. A zygote has **46** chromosomes which makes it **diploid**. Once the zygote is produced, the cell will continue the process of **mitosis** for the next 9 months.

19. Indicate the following in the picture below:

Fertilization, sperm, ovum, zygote, mitosis

