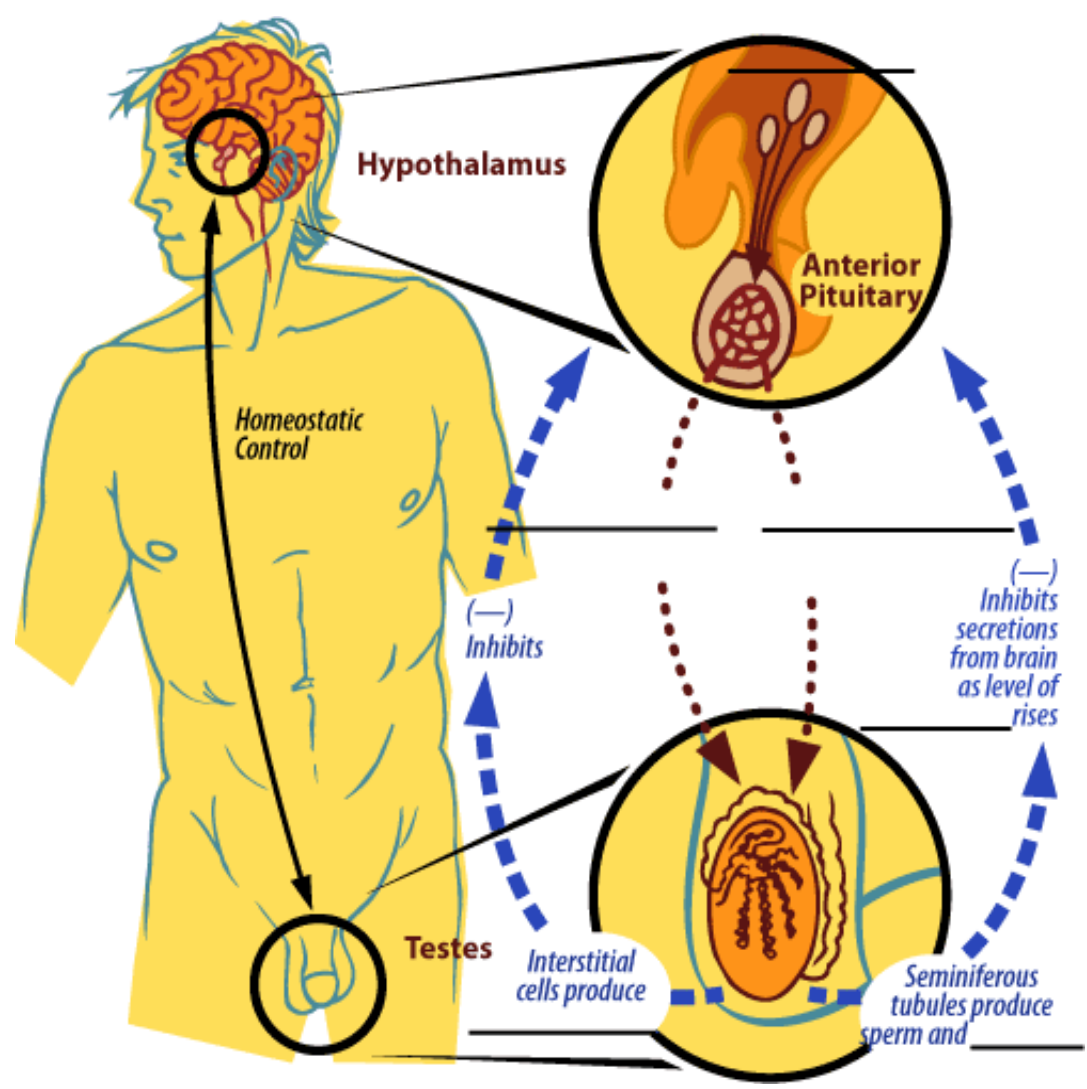


Hormonal Control of the Testes

Instructions

Fill in the names of the hormones in the following feedback loop showing neuroendocrine control of the testes.



(5 marks)

Section 4.3 Assignment Part D:

Written Response

Instructions

Answer each question with one or two brief sentences.

- State the effects that each hormone has on the body during puberty. (8 marks)
 - Testosterone: (three effects)
 - Estrogen: (three effects)
 - Follicle stimulating hormone: (two effects)
- Name the source and target of luteinizing hormone (LH) in the female. (2 marks: 1 mark each)

3. List two characteristics of the endometrium of the uterus during the second half of the menstrual cycle. (2 marks: 1 mark each)
4. Name the hormone responsible for these characteristics of the endometrium. (1 mark)
5. Describe the location and function of the cervix. (2 marks: 1 mark each)
6. List the four structures that contribute to the formation of semen. (2 marks: 0.5 mark each)
7. Give one function of each of the following. (1 mark each)
 - A. Oviducts (Fallopian tubes):
 - B. Uterus
8. List two components of semen. (2 marks: 1 mark each)
9. Name two parts of a mature sperm and state one function of each. (2 marks: 0.5 mark each for names, 0.5 mark each for functions)
10. Give one function of each of the following in the male reproductive system. (2 marks: 1 mark each)
 - A. Seminal vesicles:
 - B. Seminiferous tubules
11. What is the function of each of the following hormones in the female reproductive system? (2 marks: 1 mark each)
 - A. Luteinizing hormone:
 - B. Follicle-stimulating hormone:
12. Give two functions of seminal fluid. (2 marks: 1 mark each)
13. What gland is the source of luteinizing hormone (LH)? (1 mark)
14. What is the function of luteinizing hormone (LH) during the last half of the ovarian cycle (days 15 to 28)? (1 mark)

Marks

36

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B112