

The Gonads

Read Chapter 17.7

Fill in the blanks

1. The hypothalamus hormone _____ causes the anterior pituitary gland to produce FSH and LH.
2. In the testes, the _____ cells produce testosterone.
3. In the ovaries, the _____ cells produce estrogen
4. In males, FSH acts on the _____ cells to promote meiosis.
5. In females, FSH acts on the _____ cells to promote egg development.
6. Sex hormones in males and females are required for development of _____ and _____.
7. The production of sperm is called _____.
8. The production of eggs is called _____.
9. Match the correct hormone with the following functions, you may use each hormone more than once: (FSH, LH, Estrogen, Testosterone, Progesterone)
 - a. The anterior pituitary hormone primarily responsible for promoting meiosis

 - b. Is considered an anabolic steroid because it is involved in growth and building tissues like muscles and bones, hair growth, and deepening the voice

 - c. The anterior pituitary hormone that stimulates the production of testosterone in males

 - d. Required for development of a primary follicle into a mature follicle every month

 - e. Stimulates ovulation _____
 - f. Maintains the uterine lining after ovulation and embryogenesis is pregnancy occurs

 - g. A drop in these 2 hormones triggers menstruation _____ and

10. _____ is the stage of life in women when ovulation ceases.

