What are Some Details of Human Reproduction and Development?

1. Describe where (and how) sperm are produced within the testes.

2. Describe the path followed by sperm from testis to penis; indicate the name and function of each structure along the way.

3. Define the term "semen" and name the two organs that secrete the liquid part of semen.

4. Describe the roles of FSH, LH, testosterone and Sertoli cells in male reproduction.

5. Regarding the human ovary:
   - explain the relationship between oocytes and follicles
   - name the two major hormones secreted by follicle cells
   - describe the fate of a follicle after ovulation

6. Describe the **ovarian cycle** and indicate how hormone levels change during the cycle; what are the roles of FSH, LH and estrogen?
7. Describe the uterine cycle and indication the roles of estrogen, progesterone, and LH; what happens during menstruation?

8. Indicate the changes in hormone levels and uterine structure that occur at menopause.

9. Describe the basic structure and function of the placenta.

10. Name the two hormones/hormone-like chemicals that are secreted during birth and indicate their function.

11. Name two birth defects of the central nervous system and explain how each is caused.

12. Give advice to a women wants to become pregnant on how to reduce the chances of birth defects.