Put your name on the back.

1. (1 pt) List two primary functions for the vagina.
   - First of sperm deposition in some species which allow a common opening with reproductive tract and urinary tract.
   - It is a blind pocket in the vagina below the os cervix, the sow.

2. (1 pt) Describe the fornix vagina and list the species which lacks this structure.
   - It is a blind pocket in the vagina below the os cervix, the sow.

3. (2 pt) List 4 functions of the male.
   1. Detect estrus
   2. Inseminate the female
   3. Produce sperm
   4. Be responsible after insemination of female

4. (1 pt) The sperm exit the seminiferous tubules which are the tubules were they are produced and enter the rete testes which are located in the central shaft of the testes called the rete testes.

5. (2 pt) List 4 stages of sperm development from least mature to most mature.
   1. Spermatagonium
   2. Primary spermatocyte
   3. Secondary spermatocyte
   4. Spermaticidal

6. (1 pt) The Sertoli cells are in close contact with the developing sperm and regulate their development.

7. (1 pt) Name three primary functions of the epididymis.
   1. Maturation of sperm (water, resorption, etc)
   2. Transport of sperm
   3. Storage of sperm

8. (1 pt) List and describe two ways the testes are cooled.
   - Paracapsular plexus - takes warm arterial blood coming into testes and bleed off some heat into adjacent veins.
   - External cremaster muscle - raises or lowers the duke of testes.
   - Bonus (1 pt):

Describe the two components of the blood testis barrier?
   - The Sertoli cells tight junctions
   - The myoid cells filtration of antibodies and immune system cells