I. Reproductive Anatomy (34.1)

A. Reproductive system

1. Collection of specialized organs, glands, and hormones that help to produce a new human being

2. Males and females reach sexual maturity after puberty
   a. __________________ - marks time when hypothalamus and pituitary glands release hormones
   b. __________________ begin process of developing your sexual characteristics and reproductive systems

B. Female reproductive system

1. Main function is to produce ________ (egg cell) and provide place where fertilized egg can develop

2. Egg cells produced in __________________ (paired organs located on either side of uterus)

3. Uterus also called the __________

4. Ovaries stimulated to release _________________
   a. Controls development of female ___________ characteristics
   b. Needed for egg cells to develop
   c. Helps to prepare uterus for ________________

5. ________________ tube - organ that ends in uterus. Egg released travels down fallopian tube

C. Male reproductive system

1. Main function to produce ______________ cells and to deliver them to female reproductive system

2. Males do not produce sperm cells until ____________

3. Sperm produced in ________________ (paired organs)

4. Stimulated to release male _____________ testosterone
a. Stimulates production of ____________

b. Controls development of male sexual characteristics.

5. Testes enclosed in pouch called the ______________

   a. Hangs below pelvis outside the body to deep testes 2 to 3 degrees _____________ than core temperature

   b. Sperm will not develop if temperature is too ___________

6. Mature sperm travel to long coiled tube called the __________________

7. During sexual stimulation, sperm travel through long duct called _______ ________________

8. Secondary sex glands mix other fluids into the vas deferens to produce ______________ (nourish and protect sperm cells)

9. Smooth muscles propel the semen along the _______________ and eject it from the ____________

II. Reproductive Process (34.2)

A. Eggs mature and are released according to hormonal cycles

   1. During month hormone levels rise and fall in well-timed ______________ loops

   2. Every _______ days hormone cycles begins second stage of egg production (meiosis)

   3. ________________ - release of egg from ovary

   4. Over next 5 to 7 days egg moves through fallopian tube where it can be ________________

B. Menstrual Cycle

   1. Series of ______________ changes in reproductive system (averages 28 days)

   2. Three main phases regulated by specific ______________

   3. Menstrual cycle continues through reproductive years
(about age 50) Stops when levels of hormones ________________ (called menopause)

C. __________________ occurs when a sperm cell joins an egg cell

1. Fertilized egg called a ________________

2. Fraternal twins develop from two separate eggs (genetically ________________)

3. Identical twins develop from a single egg that splits into two zygotes (genetically ________________)

4. _____________________ - refers to any condition that makes reproduction difficult or impossible

D. Sexually transmitted diseases affect fertility and overall health

1. __________ - diseases passed from one person to another during sexual contact

2. ________________ STD’s include: chlamydia, syphilis, and gonorrhea.

3. _____________ STD’s include hepatitis B, genital herpes, human papillomavirus (HPV), and human immunodeficiency virus (HIV) which causes AIDS