

## Reproductive System

### Chapter 17

1. Function of Reproductive System
  - A. Separation of Sexes
  - B. Genetic Variability
  - C. Meiosis
2. Male Reproductive System (Page 357 ff)
  - Spermatogenesis
    - A. Testes, Structure (Page 375 -376)
      - i. Seminiferous Tubules
      - ii. Germinal Epithelium
      - iii. Interstitial Cells
    - B. Scrotum (Page 381)
      - i. Location
      - ii. Function
        - a. Cremaster Muscles
        - b. Temperature Issues

C. Sperm Cell (Pages 375 - 377)

i. Chromosome number

ii. Acrosome

iii. Flagella

D. Epididymis (Page 379)

i. Function

E. Vas Deferens (Page 379)

i. Function

F. Ejaculatory Duct (Page 379)

i. Function

G. Urethra (Page 379)

i. Function

H. Accessory Glands (Page 379)

i. Seminal Vesicles

a. Functions

ii. Prostate Gland

a. Functions

iii. Bulbourethral Gland

a. Functions

I. Semen

J. Penis (Page 381)

i. Structure

a. Corpora Cavernosa

b. Corpus spongiosum

c. Glans Penis

d. Prepuce

3. Male Reproductive Physiology (Page 382 - 383)

4. Male Reproductive Control (Page 382 - 383)

A. Hormones

B. Regulation

5. Female Reproductive System (Pages 384 ff)

A. Ovaries (Page 384)

i. Oogenesis (Page 384 - 387)

a. Process

- Polar Body

ii. Ovulation

B. Uterine Tubes (Page 387)

i. Infundibulum

ii. Fimbriae

ii. Epithelia

## Human Body in Health and Disease Student Outline – Reproductive System

### C. Uterus (Page 387)

- i. Location
- ii. Endometrium
- iii. Myometrium
- iv. Cervix
- v. Body

### D. Vagina (Page 387 - 388)

### E. External Organs (Page 388)

6. Female Reproductive Control (Page 389 - 392) (See handout on Cycle)

- Gonadotropin Releasing Hormone

A. Ovarian Cycle

- i. Follicle Stimulating Hormone

- ii. Luteinizing Hormone

- iii. Follicle Development

B. Uterine (Menstrual) Cycle (Pages 389 - 392)

- i. Proliferative Phase

- a. Estrogen

- i. Secretory Phase

- a. Progesterone