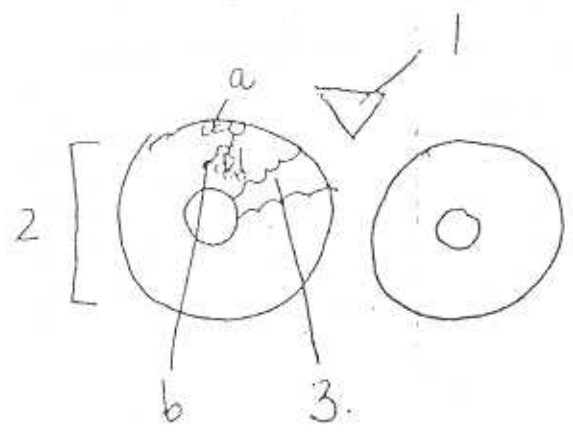


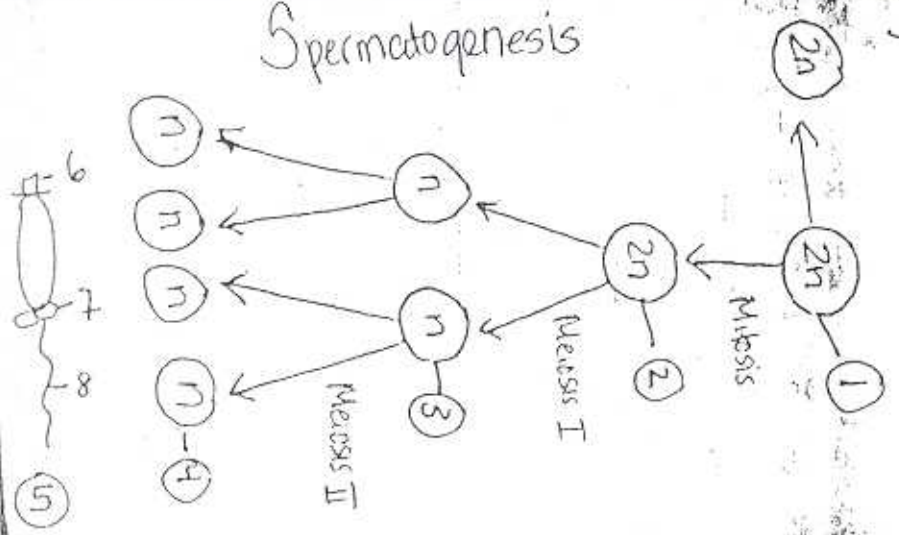
1. \_\_\_\_\_ = Temp Regulation
2. \_\_\_\_\_ = produce sperm

cell  
a.  
b.  
c.

Testes



Spermatogenesis



4.

Ducts

1. \_\_\_\_\_ = mature sperm
2. \_\_\_\_\_ = transports sperm
3. \_\_\_\_\_ = transports sperm
4. \_\_\_\_\_ = transports sperm

5.

Accessory Glands

1. \_\_\_\_\_ produces \_\_\_\_\_
2. \_\_\_\_\_ produces \_\_\_\_\_
3. \_\_\_\_\_ produces \_\_\_\_\_



1. Scrotum

2. testis - seminiferous tubules

- a) interstitial cells <sup>targets</sup>  $LH$  / <sup>produced</sup> testosterone
- b) sustentacular cells / Sertoli cells
- c) spermatogenic cells

*Diagram notes:*  
Sertoli cells: nourish  
BTB: blood-testis barrier  
cytoplasm

1. Epididymis
2. Vas deferens
3. ejaculatory duct
4. Urethra

1. interstitial cells

2. Seminiferous Tubules

- a. spermatogonia
- b. spermatids

3. sustentacular

diploid = twice the chromosome / haploid = half  $23$  chromosomes

1. Spermatogonia diploid
2. primary spermatocyte - diploid
3. Secondary spermatocyte - haploid
4. spermatids
5. Spermatozoa
6. acrosome
7. mid piece w/ mitochondria for energy
8. flagella

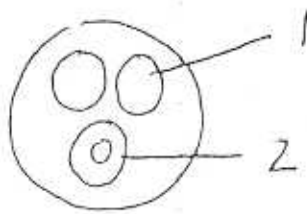
1<sup>st</sup> stage to become haploid

- 1. Seminal vesicles produces 60% semen  
fructose
- 2. prostate gland produces 25% semen  
clot buster
- 3. Cowper's gland produces 10% semen  
neutraline acid from urine



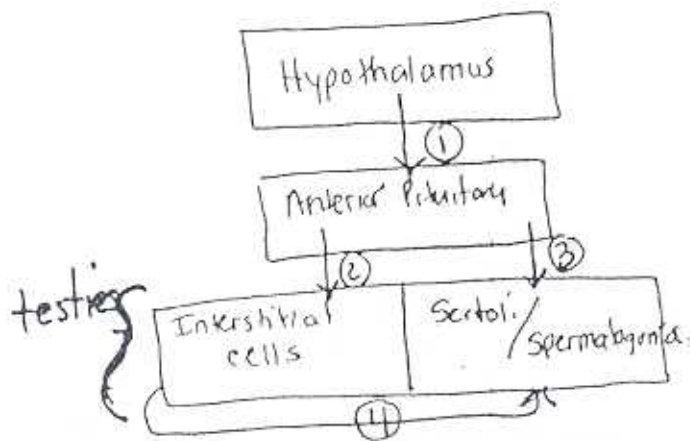
Supporting Structures:  
Penis

6.



Male Hormones

7



10.

Ovarian Cycle

Uterine Cycle

1. 2. 3.

1. 2. 3.

Female Reproduction  
OVARIES

8.

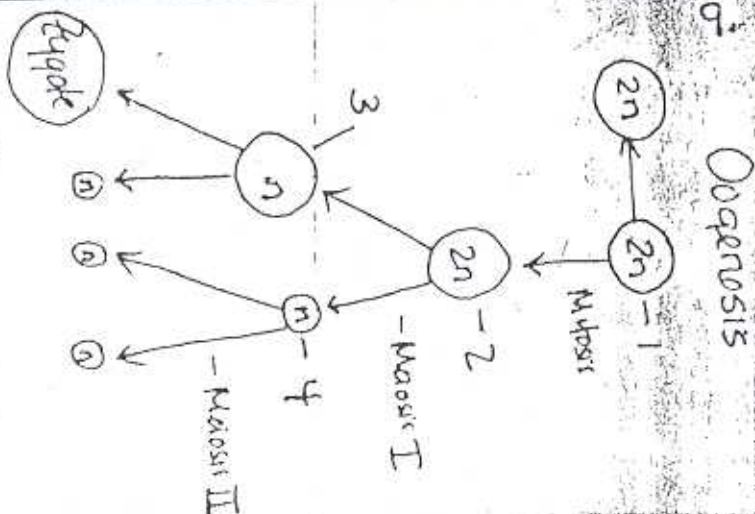
- 1) function = \_\_\_\_\_
- 2) hormone \_\_\_\_\_

11.

Fallopian tubes

1. \_\_\_\_\_ = finger like

2. \_\_\_\_\_ = occurs there



9.

Oogenesis

5. stage born in
6. stage fertilized



Corpora Caverosa

2. Corpus Spongiosum

1. GnRH
2. LH
3. FSH
4. testosterone
5. spermatogenesis

1) production oocytes

2) progesterone, estrogen, relaxin,  
& inhibin.

1. oogonia
2. primary oocyte
3. secondary oocyte ← which stage is fertilized
4. polar body (genetic trash) mk. 3
5. primary oocyte ← stage born in
6. secondary oocyte

### Ovarian Cycle

1. Follicles - primary to Mature Follicle
2. Ovulation
3. Luteal - Become Corpus Luteum

### Uterine Cycle

1. Menstruation - lose Endometrium
2. Proliferation - build-up Endometrium
3. Secretory

1. Fimbriae

2. fertilization



# Uterus

12.

1. \_\_\_\_\_ = opening
2. \_\_\_\_\_ = inner lining
3. \_\_\_\_\_ = middle layer
4. \_\_\_\_\_ = occurs there =
5. \_\_\_\_\_

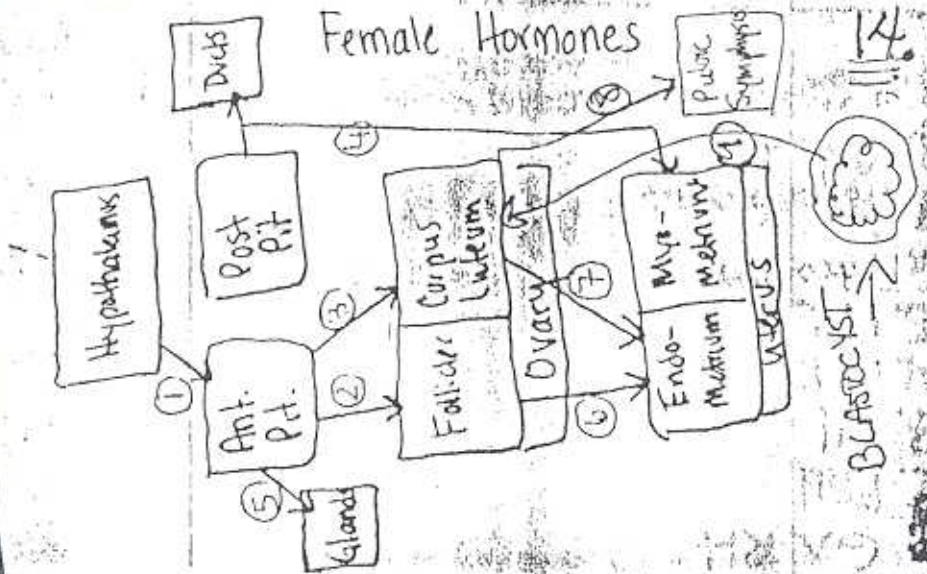
# Misc Parts

13.

1. \_\_\_\_\_ = 4 inches
2. \_\_\_\_\_ = same as scrotum
3. \_\_\_\_\_ = same as foreskin-prepuce
4. \_\_\_\_\_ = same as penis
5. \_\_\_\_\_ = adipose layer

# Female Hormones

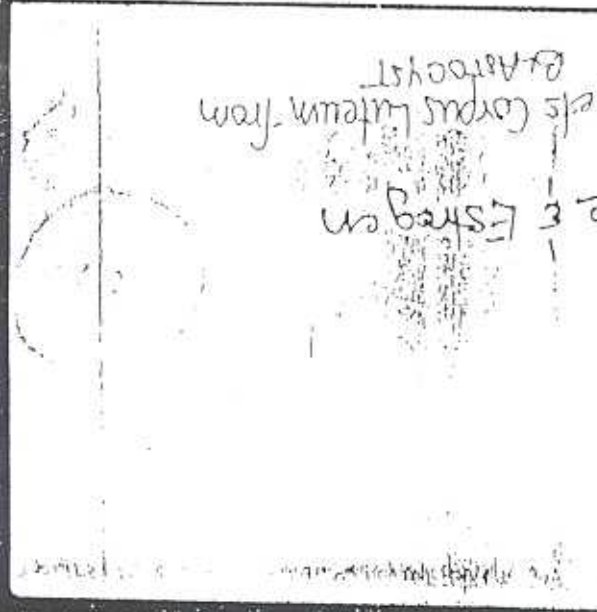
14.





1. cervix
2. endometrium <sup>2 layers</sup>
3. myometrium
4. perimetrium
5. implantation

1. vagina
2. labia major
3. labia minor
4. clitoris
5. mons pubis



1. GnRH
2. FSH
3. LH
4. O.T.
5. PRL
6. Estrogen
7. Progesterone & Estrogen
8. Relaxin
9. HCG - target corpus luteum - from & syncytiotrophoblast