The scrotum consists of 4 layers. What are they?

- · Scrotal Skin: houses/has lots of sweatglands of hair
- · Thica Dartos: Smooth muscle; can withhold contractions &
- · Scrotal fascia: fatty & membranous layers (nelps insulations)
- · parietal vaginal tunic: 1st peritoneum layer in scrotum

Thermoregulation can occur in multiple ways. Name and explain a few ways.

- · Pamipiniform Plexus: countercurrent heat exchange; an artery w/ a network
- · Cremaster muscle: "fight or flight" muscle, striated.

 Cold = contracted

 Cold = contracted

 Lint = relaxed
- The parenchyma is composed of the Interstitut and the tubule components.

The <u>tubulls</u> are located within the mediastinum (CT core / elevator) of the testes and transports <u>spermato200</u> and fluid from the <u>seminiferous</u> to the efferent ducts.

What is cryptorchidism?

Failure of the testies to descend into the scrotum.

Match the following terms to the definitions:

Bilateral Cryptorchidism A Unilateral Cryptorchidism

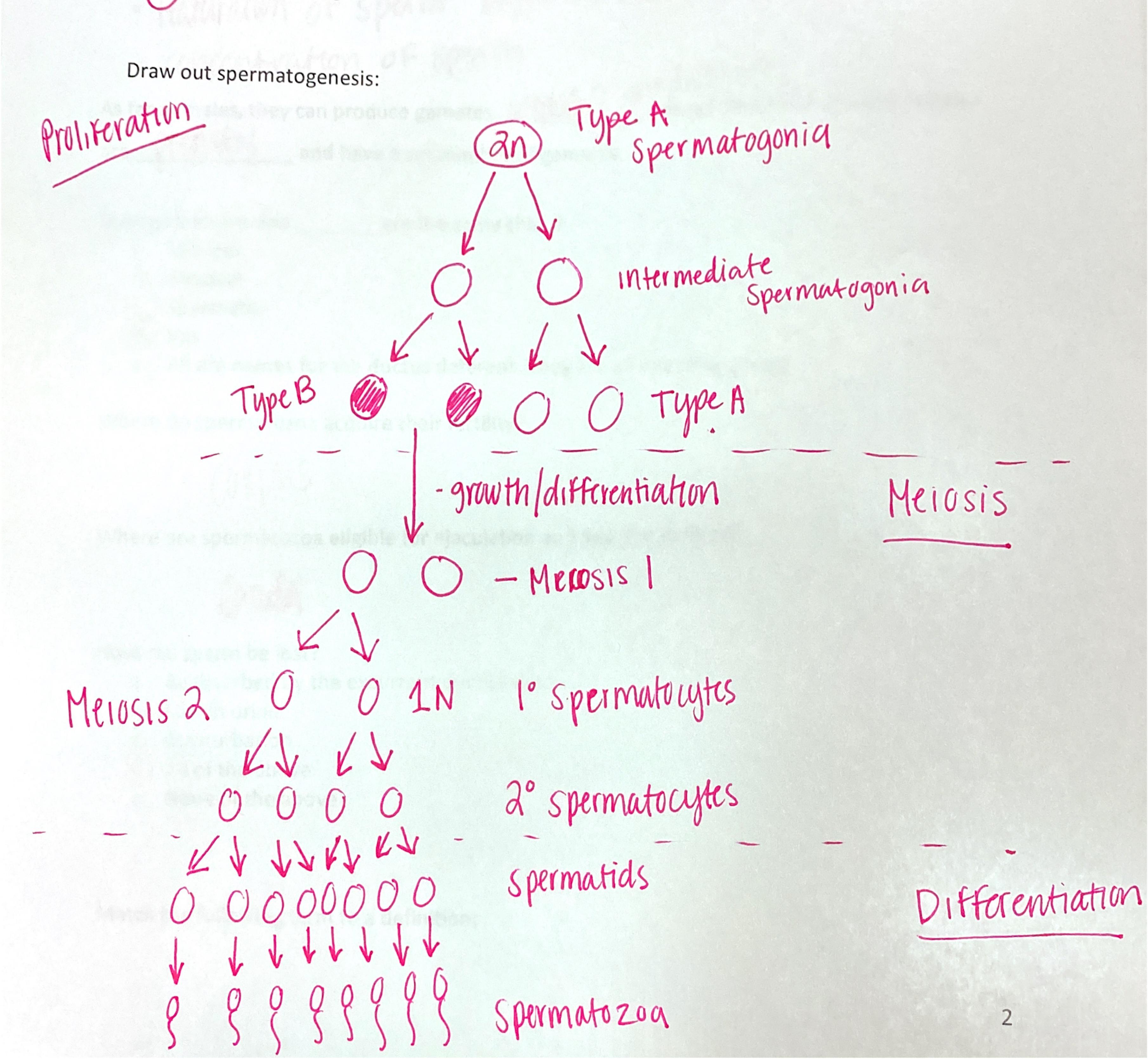
- a. One testicle is descended from the body. Produces Testosterone. Can produce fertile sperm.
- b. Both testicles are not descended from the body. Produces Testosterone. Cannot produce viable sperm.

Sertoli cells are....

- a. Have FSH and T receptors
- b. Are the only somatic cells in the tubule compartment
- c. "Nurse" cells for spermatogenesis
- d. Form part of the blood testes barrier
- (e.) All of the above

Leydig cells are...

- a. Produce T
- b. Are within the interstitial compartment
- c. Stimulated by LH d) All of the above



What are some changes that sperm undergo that are necessary for fertilization to occur?

- · Nucleus more condensed + stable
 - · 1 In Specific gravity, lose (relative density, lose H20)
- · Migration of cytoplasmic droplet

· Sperm & becomes less resistant to cold shock

What are the 4 functions of the epididymis?

- · Stored in cauda (sperm)
- · transport sperm to caude, S.M. contractions, pressure from new sperm
- · Maturation of sperm: physical & biochemical changes
- · concentration of sperm

As far as males, they can produce gametes with all post pubertal for all of their lives, while females are <u>prenatal</u> and have a set number of gametes.

Ductus deferens and are the same thing?

- a. Efferent
- b. Vascular
- c. Spermatic
- e. All are names for the ductus deferens. They are all interchangeable.

Where do spermatozoa acquire their fertility?

(UYDWS

Where are spermatozoa eligible for ejaculation and kept for storage?

How can sperm be lost?

- a. Reabsorbed by the excurrent duct system
- b. Lost in urine
- c. Masturbation
- d.) All of the above
- e. None of the above

Match the following term to a definition:

Testicular capsule A Parenchyma (Mediastinum Rete Tubules

- Seminiferous tubules and interstitial tissue that consists of the interstitial and tubule compartment
- Tubules within the mediastinum that transports sperm to the efferent ducts
- Central connective tissue core that houses and maintains the integrity of the rete testes

efferent duits

d. Consists of the visceral vaginal tunic and tunica albuginea

Draw a testi with an epididymis and label:

Spermatic

cauda (hottom)