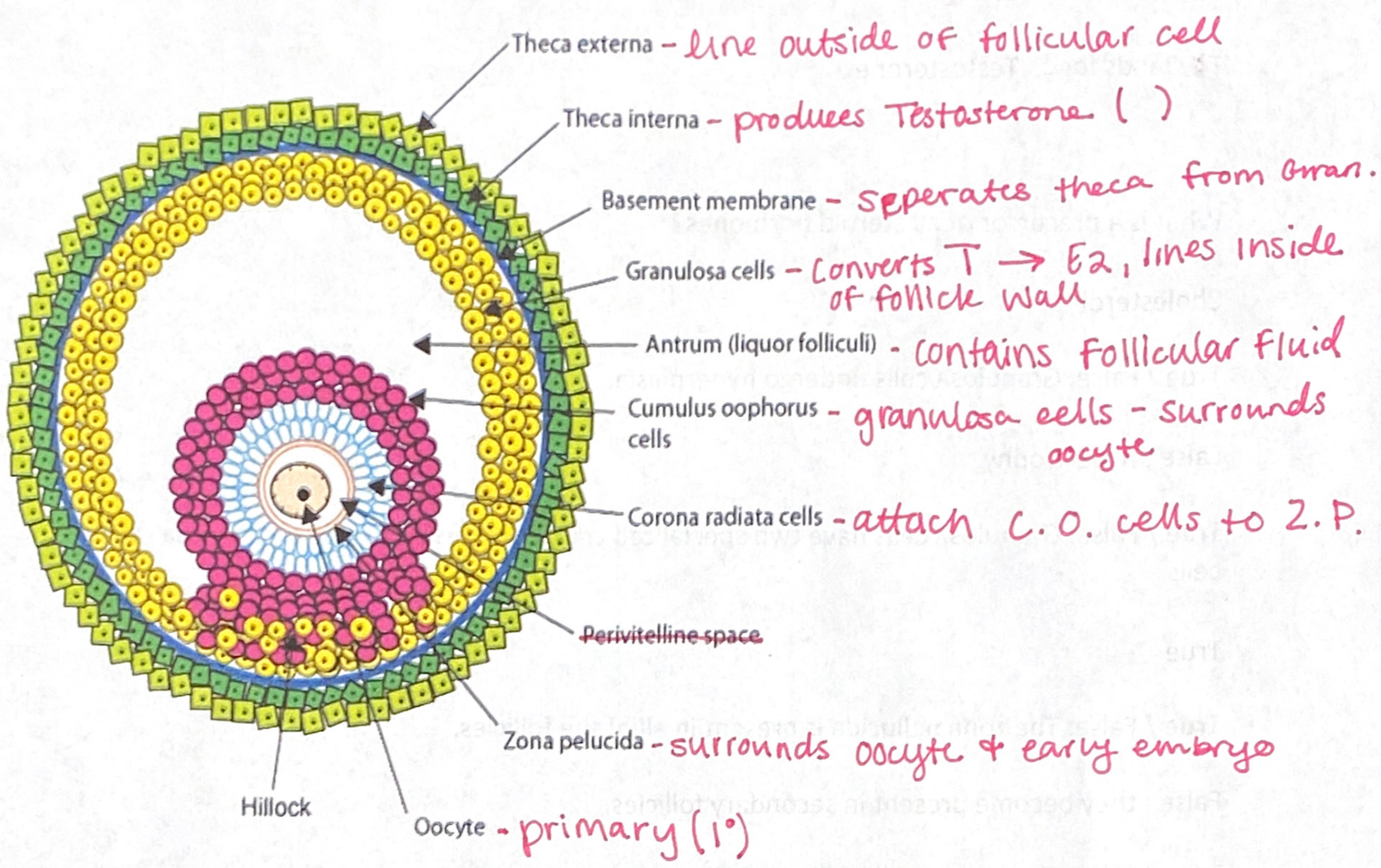


What does each layer of cells do?



What muscles tire out easily? What muscle do NOT tire easy?

Skeletal muscle ; smooth muscle

Is there germ cells in the germinal epithelium?

No, only in the cortex

What are small luteal cells? What are large luteal cells?

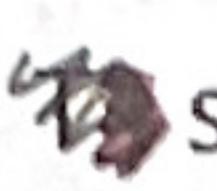
Theca cells ; Granulosa cells

Which cells have a FSH receptor? LH receptor?

Granulosa cells ; Theca cells

P4 stands for..... **Progesterone**

E2 stands for..... **Estrogen**

T  stands for.... **Testosterone**

What is a precursor of all steroid hormones?

Cholesterol

True / False: Granulosa cells undergo hyperplasia.

False ; hypertrophy

True / False: Granulosa cells have two specialized cells, cumulus oophorus and corona radiata cells.

True

True / False: The zona pellucida is present in all of the follicles.

False ; they become present in secondary follicles.

True / False: The largest cell of the body is a primary oocyte.

True

What does the antrum look like and what is in it?

- a. **Blisters; holds hormones the follicle has secreted**
- b. Yellow; dense granulosa cells or large luteal cells
- c. White; scar tissue from the corpus luteum.
- d. Receptors that only accept testosterone.

The basement membrane begins to degenerate right before ovulation, what is the enzyme responsible for this?

- a. Aromatase
- b. **Collagenase**
- c. Progestin
- d. Estradiol

Oocyte maturation occurs in 4 stages, what are they?

Prenatal, nuclear arrest, cytoplasmic growth, resumption of meiosis

Draw the 2-Cell/2-Gonadotropin theory

Big Picture: cholesterol

