

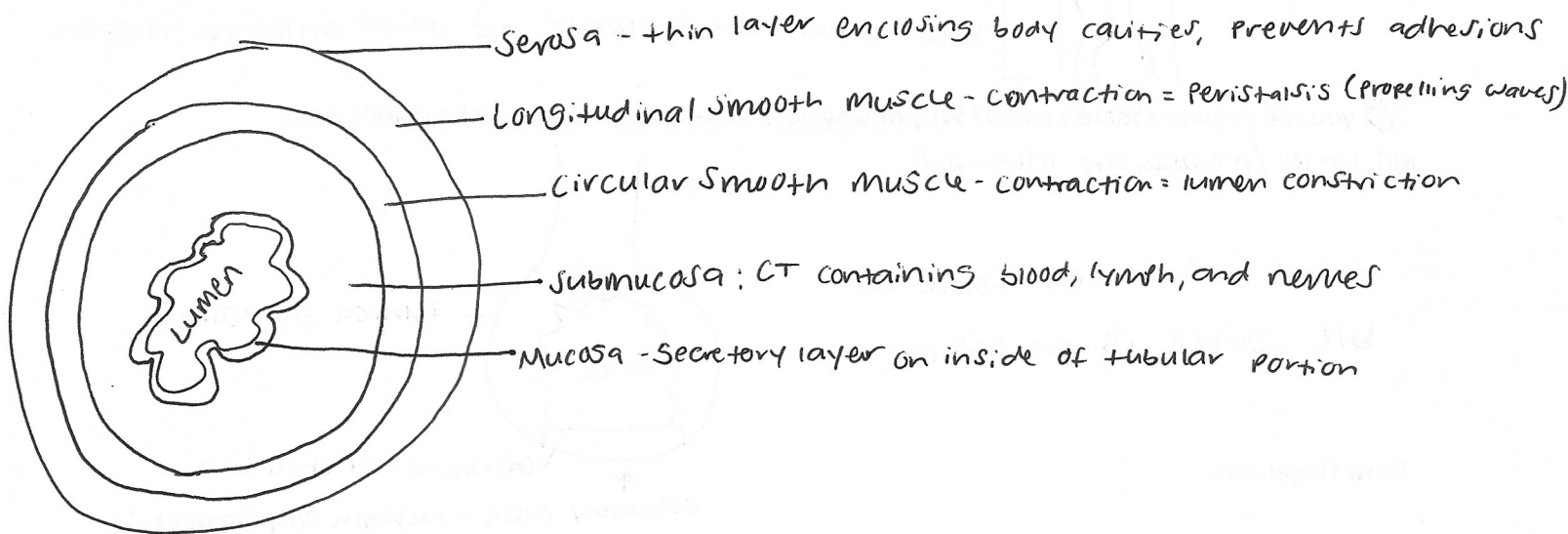
Nerves and Hormones control EVERYTHING in the body.

What is the purpose of physiology of reproduction?

- ① Perpetuation of species
- ② Providing products- food, milk, etc.
- ③ Genetic improvement

Draw, label, and describe the 4 layers of tissue found throughout the female reproductive tract

Serosa → muscularis → submucosa → mucosa



What is special about the peritoneum?

Rectum + uterine horns sink into peritoneum to form broad ligament

Describe the function and 3 parts of the broad ligament:

- ① Mesovarium: supports ovaries
- ② Mesosalpinx: supports oviducts
- ③ Mesometrium: supports the uterus

The ovary:

Exocrine function: Sex cell (oocyte) production

Product to tissue

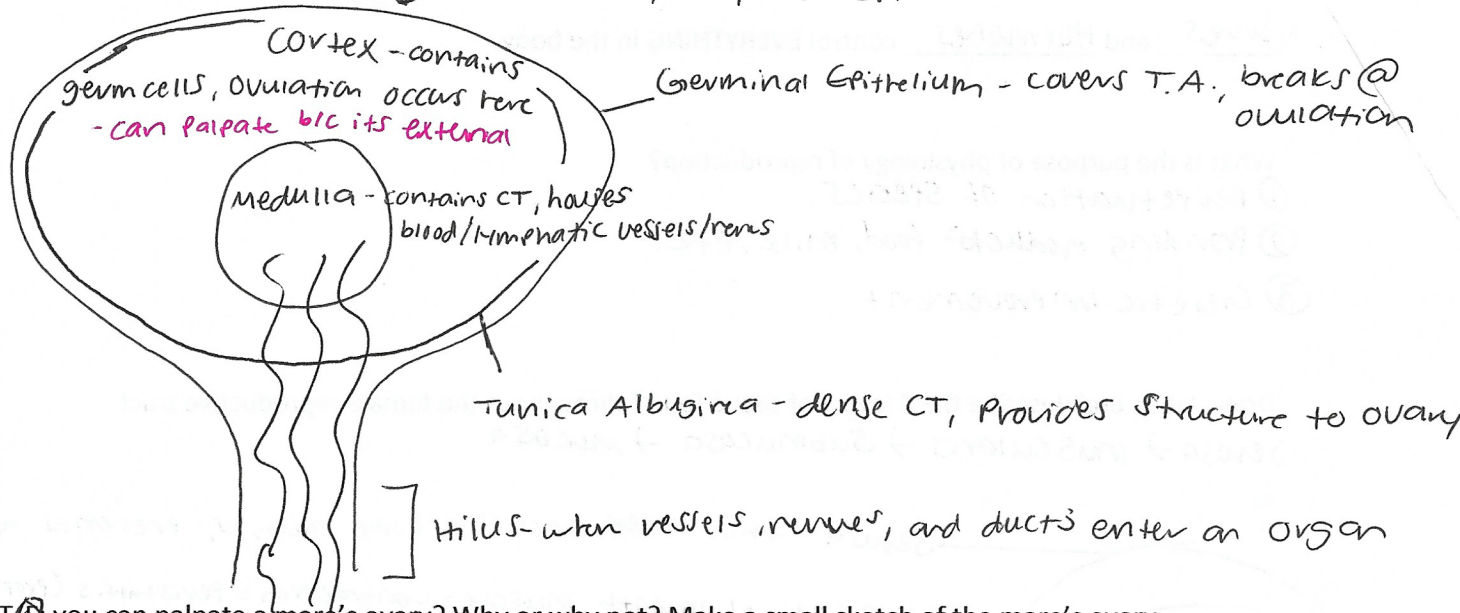
Endocrine function: Follicle produces E_2

hormone directly to blood

CL produces P_4

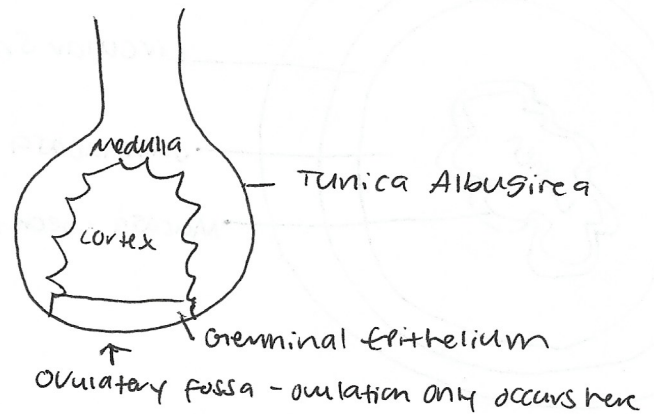
Label and describe the anatomical parts of the ovary:

↳ also has CH, CL, and CA

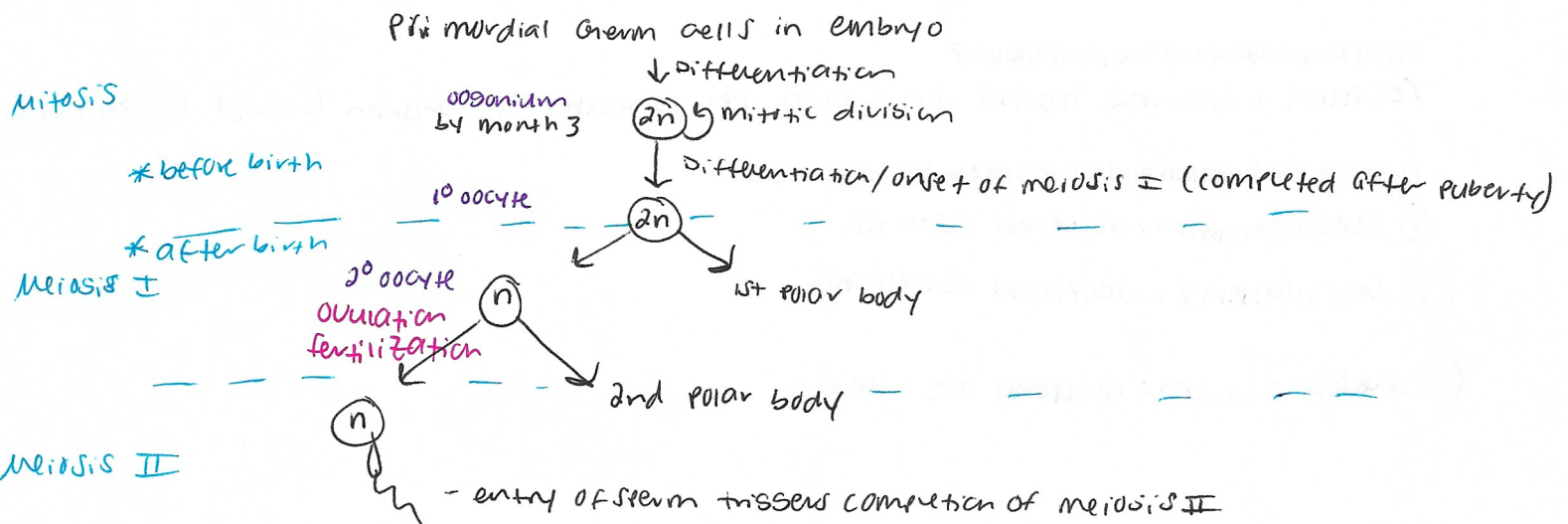


TQ. you can palpate a mare's ovary? Why or why not? Make a small sketch of the mare's ovary
 NO, cortex / medulla are inverted

- need U.S. to see follicles
 b/c cortex is on inside



Draw Oogenesis:



Match the term with the correct definition:

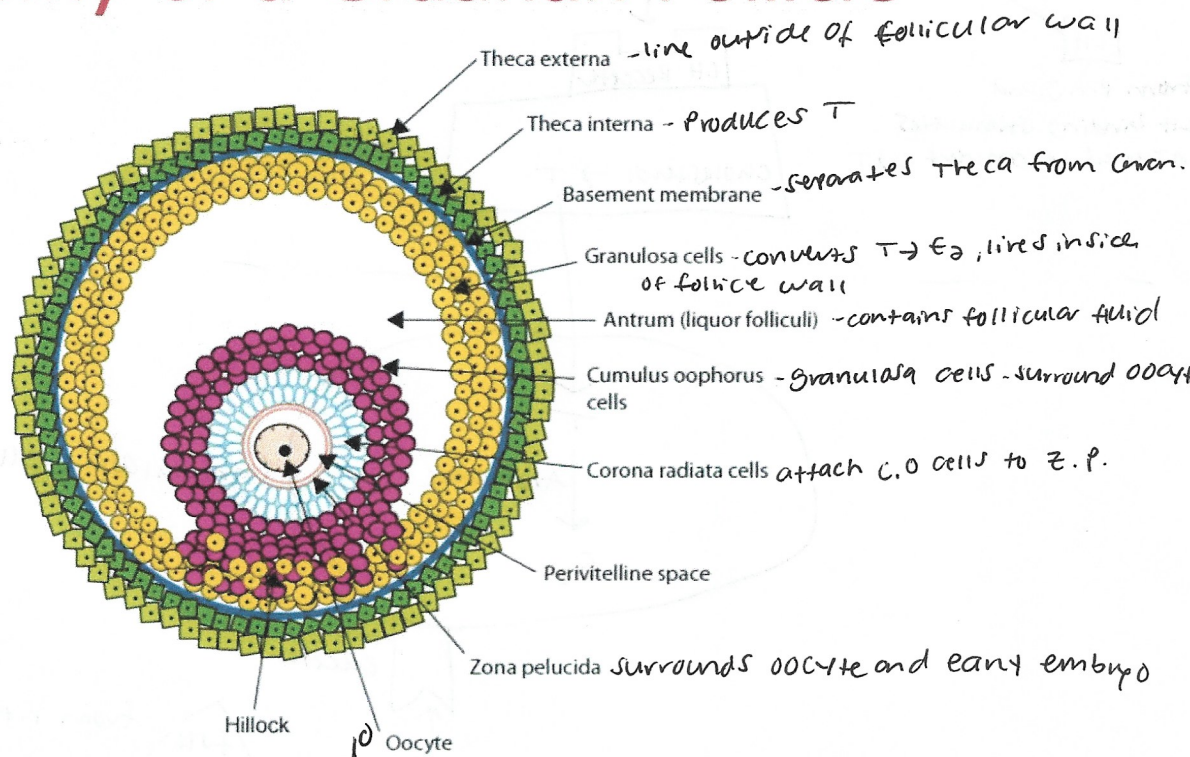
A Primordial follicle C Secondary follicle D Primary follicle B Antral Follicle

- Primary oocyte surrounded by a single layer of squamous cells, smallest follicle in cortex
- Antrum is present, consists of an oocyte, follicular fluid, granulosa cells, theca interna and externa
- 2/more layers surround the oocyte, zona pellucida is present but the antrum is not
- Primary oocyte surrounded by a single layer of cuboidal cells

(T/F): a primary oocyte is housed in all stages of follicular development

(T/F): All stages of follicles are present within an ovary at any time

Anatomy of a Graafian Follicle



Draw the 2-Cell/2- Gonadotropin Theory:

