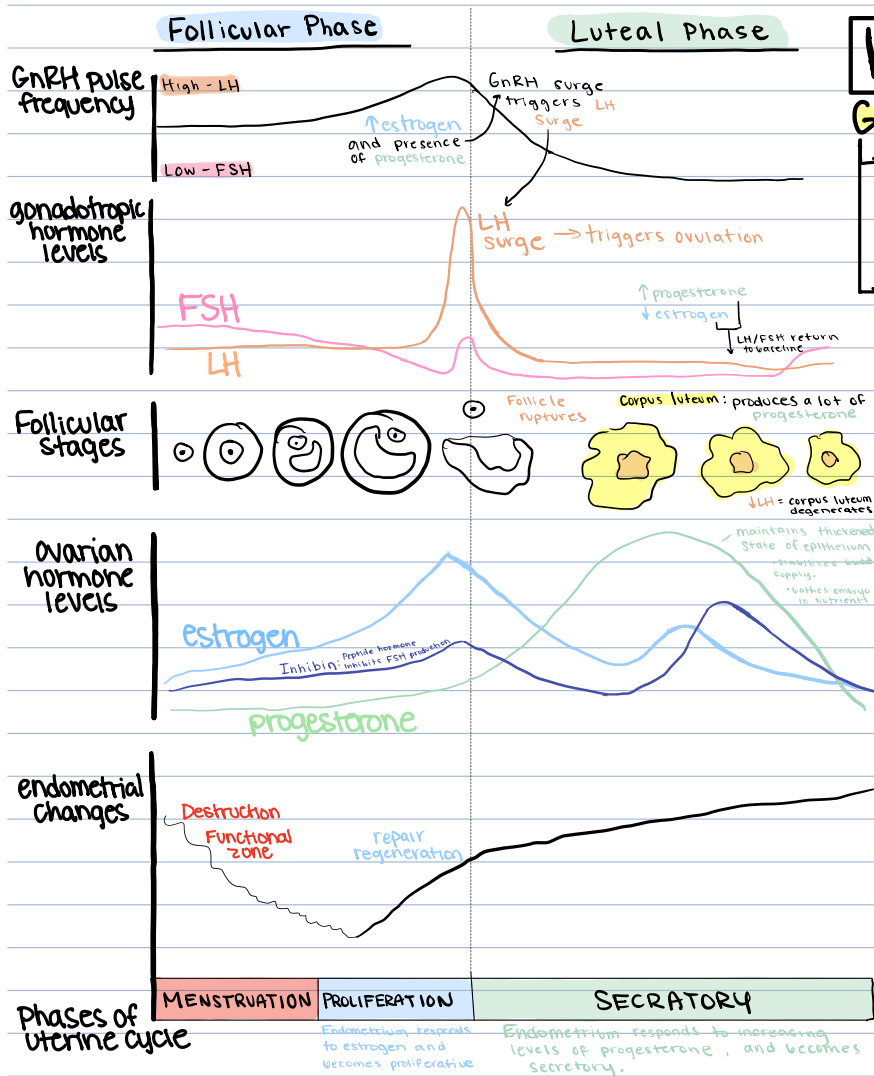
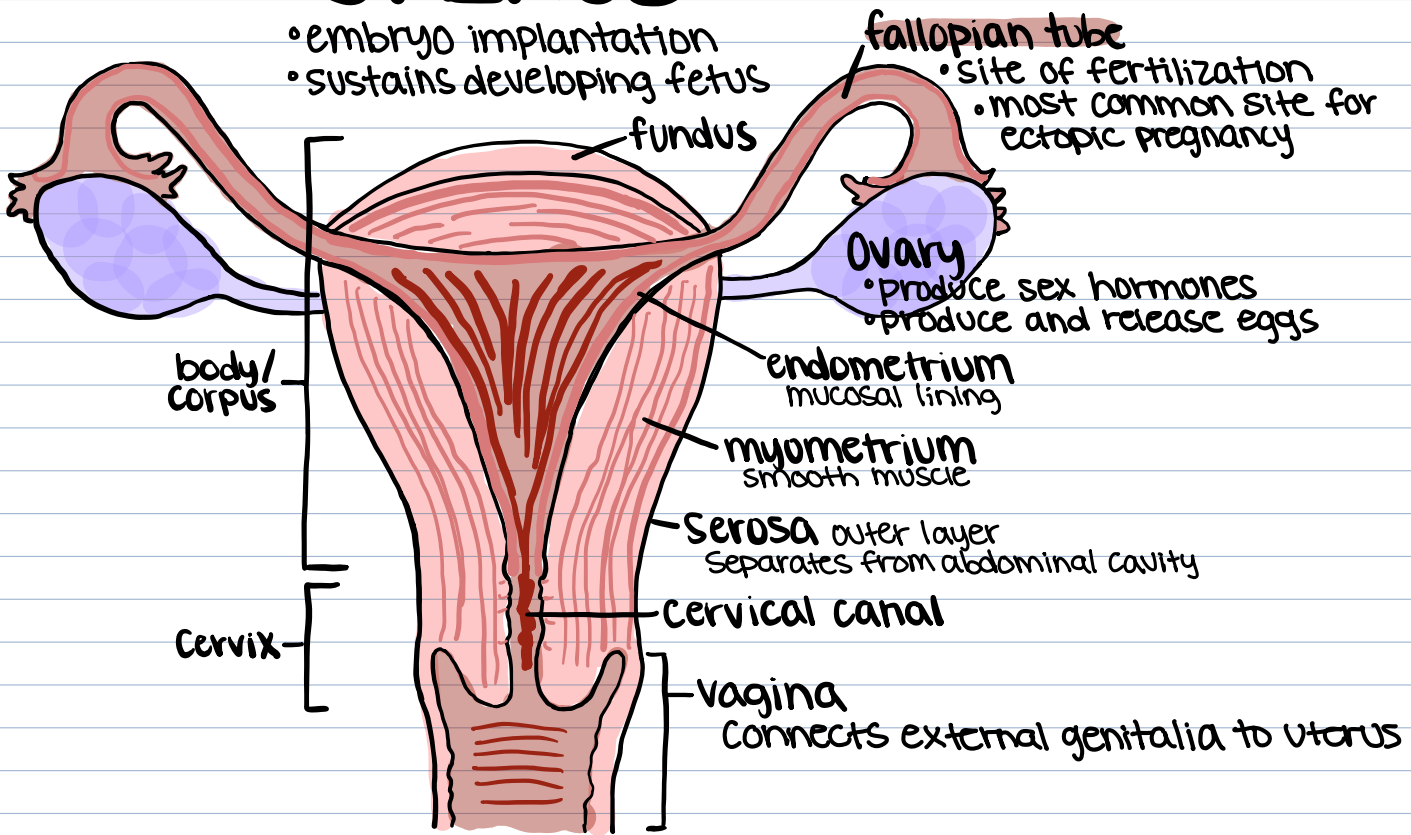


UTERUS



HORMONE REGULATION

GnRH stimulates production by pituitary gland

- **Follicle stimulating hormone (FSH)**
 - controls menstrual cycle and stimulates growth of eggs in ovary
- **Luteinizing hormone (LH)**
 - controls menstrual cycle and triggers egg release from ovary

LH and FSH stimulate ovaries to produce:

Estradiol (estrogen)

- ↑ levels lead to maturation and egg release
- triggers thickening of the uterus lining to allow fertilized egg to implant

Progesterone

- triggers thickening of the uterus lining to allow fertilized egg to implant
- prohibits muscle contraction in uterus
- Once pregnant → levels remain elevated
 - body doesn't produce more eggs
 - prepares breasts for milk production