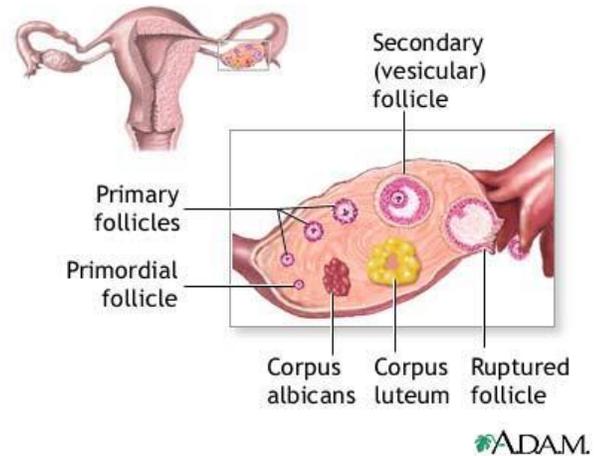


## FEMALE REPRODUCTION CYCLES - Notes

### Ovarian Cycle – 28 days

#### 1. Follicular Phase (days \_\_\_\_\_)

- \_\_\_\_\_ (gonadotropin releasing hormone) is released from the \_\_\_\_\_ to the \_\_\_\_\_
- The anterior pituitary makes and releases \_\_\_\_\_ – follicle stimulating hormones - that helps to produce and mature the \_\_\_\_\_
- The follicle \_\_\_\_\_ in the ovary
- Primary follicle turns into a secondary follicle (which \_\_\_\_\_ out of the ovary wall)
- \_\_\_\_\_ is produced by the follicle and exerts \_\_\_\_\_ feedback on the hypothalamus and anterior pituitary to stop production of \_\_\_\_\_ so that no more follicles are produced
- Estrogen exerts \_\_\_\_\_ feedback on the \_\_\_\_\_ to generate GnRH which causes the \_\_\_\_\_ pituitary to release \_\_\_\_\_ (luteinizing hormone).
- Estrogen also sends a message to the uterine wall (\_\_\_\_\_ ) to start to build up.



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#### 2. Ovulation (day \_\_\_\_\_)

- \_\_\_\_\_ (luteinizing hormone) from the anterior pituitary causes \_\_\_\_\_ = the egg bursts out of the ovary

#### 3. Luteal Phase (days \_\_\_\_\_)

- LH also promotes the development of the follicle into the \_\_\_\_\_ which releases progesterone and estrogen
- \_\_\_\_\_ which is secreted by the corpus luteum causes the uterine wall (\_\_\_\_\_ ) to continue to build up
- Progesterone also exerts \_\_\_\_\_ feedback on the \_\_\_\_\_ pituitary to reduce \_\_\_\_\_ secretion – so that a second ovulation doesn't occur
- If there is no pregnancy the corpus luteum degenerates after \_\_\_\_\_ days

### Uterine Cycle – 28 days

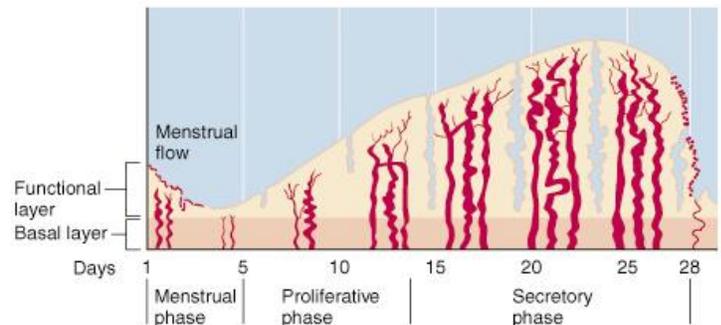
#### 1. Menses (Days \_\_\_\_\_)

- Endometrium \_\_\_\_\_ and blood vessels \_\_\_\_\_
- Menses = \_\_\_\_\_
- Due to \_\_\_\_\_ levels of \_\_\_\_\_ hormones

#### 2. Proliferative Phase (\_\_\_\_\_)

- Endometrium \_\_\_\_\_
- Due to increased \_\_\_\_\_ from the follicle

#### 3. Ovulation = Day (\_\_\_\_\_)



(d) Uterine cycle

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4. **Secretory Phase** - Days ( \_\_\_\_\_ )

- Endometrium \_\_\_\_\_ in thickness
- \_\_\_\_\_ is secreted
- Due to increased \_\_\_\_\_ from the \_\_\_\_\_
- Prepared to receive a \_\_\_\_\_ egg
- No pregnancy, corpus luteum \_\_\_\_\_ and \_\_\_\_\_ hormone levels leads to the endometrium breaking down.

