

Bio 3201: Menstrual Cycle Lab

Name: _____ Group Members: _____

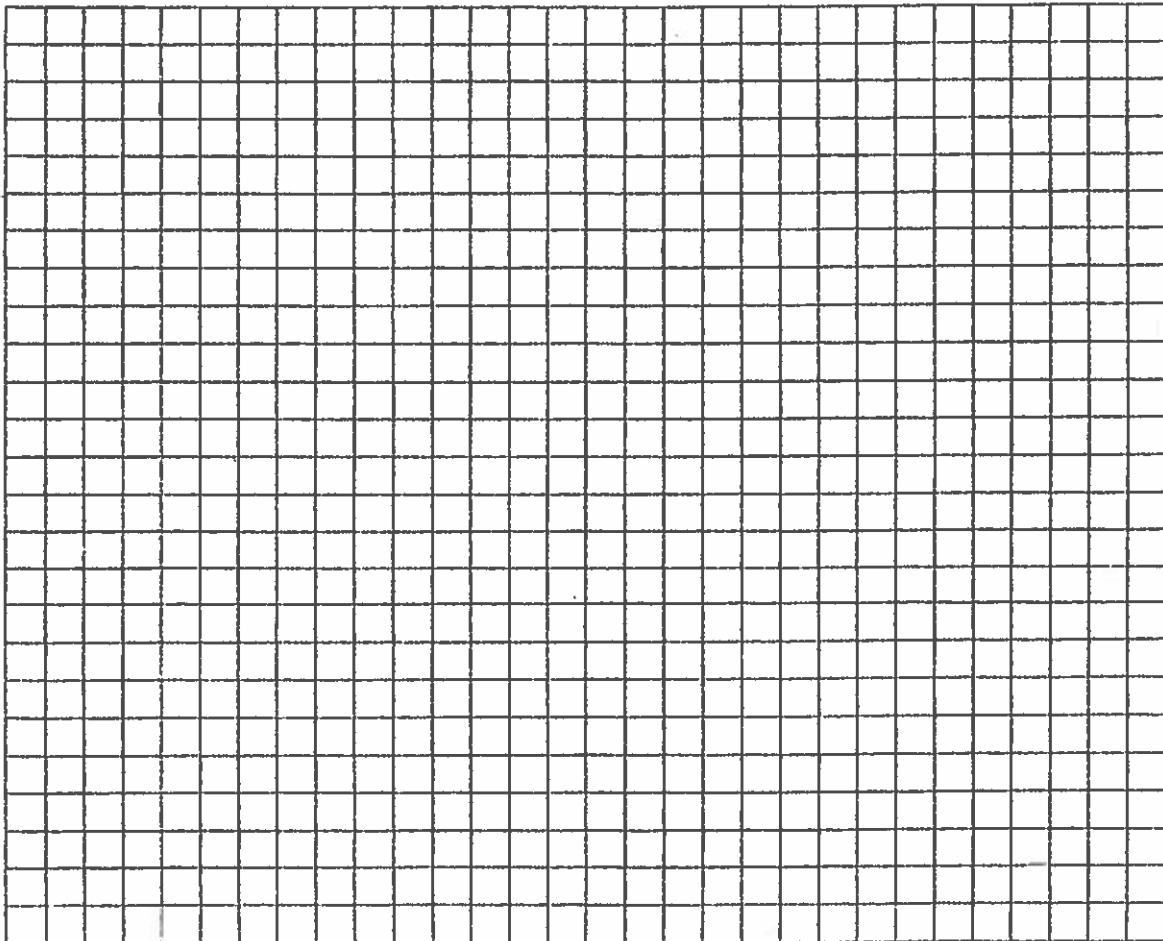
Problem: How do the levels of FSH, LH, estrogen and progesterone interact with one another and affect the events of the menstrual cycle ?

Materials: As outlined on page 494 of text.

Procedure: As outlined on page 494 of text.

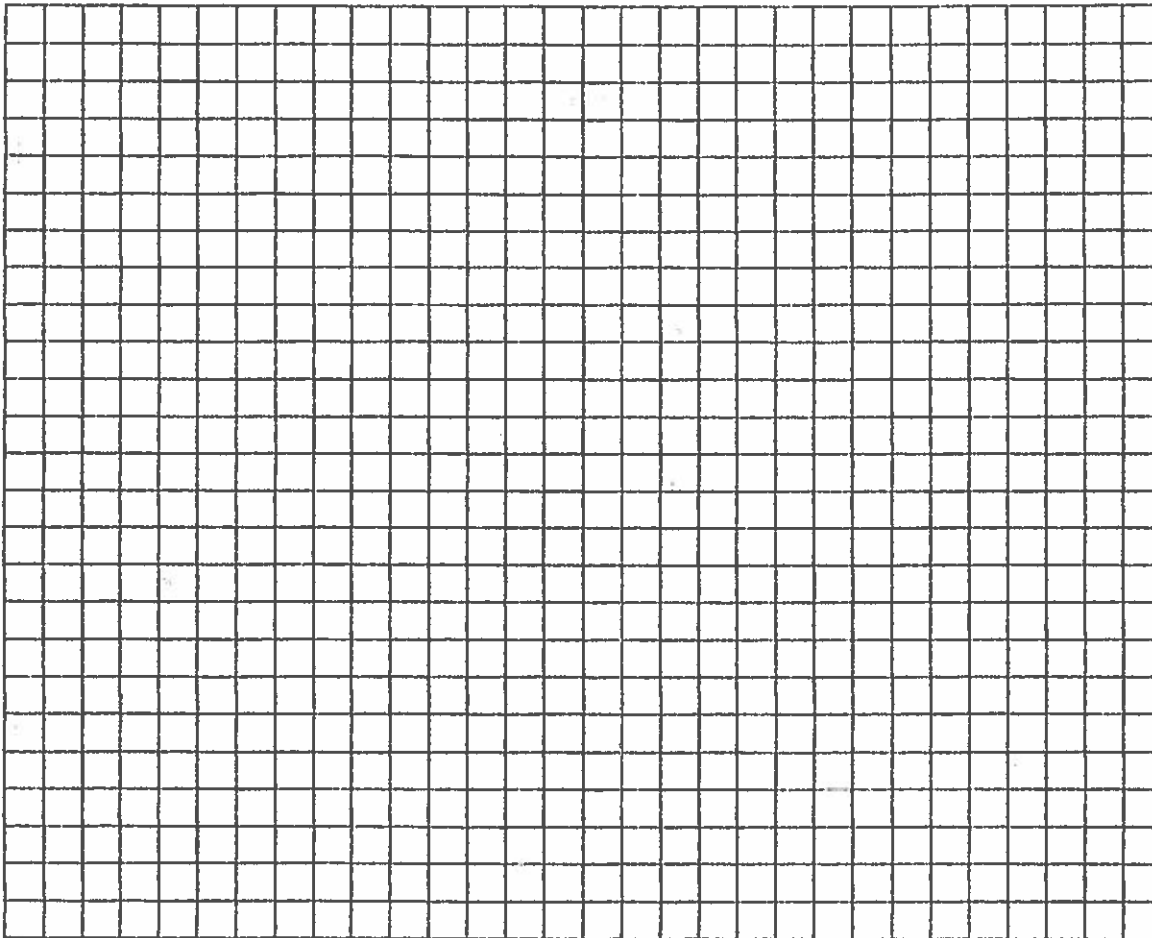
Observations:

Gonadotropin Levels in Blood (FSH, LH)



Day: 1-13	Day: 14	Day: 18-21	Day: 21-28

Ovarian Hormone Levels in Blood (estrogen and progesterone)



A large grid consisting of 28 columns and 20 rows, intended for recording data. The grid is empty.

Biology 3201
Menstrual Cycle Lab Answer Sheet

Name: _____

1. A. During which days of the cycle do FSH levels increase ?

B. What is happening to the follicle during this period ?

2. A. On which day is the LH level highest ?

B. What event starts just after the LH level peaks ?

C. What occurs after LH levels decrease after peaking ?

3. A. During what days does the estrogen level increase significantly ?

B. What is happening to the endometrium during this period ?

4. A. During which days of the cycle does the level of progesterone increase significantly ?

B. What is happening to the endometrium during this period ?

5. A. During which days of the cycle are estrogen and progesterone levels at their lowest ?

B. What is happening to the endometrium during this period ?

C. What is this period called ?

6. Which hormones are at their highest levels when the uterine lining is at its thickest ?

7. How do increased levels of estrogen and progesterone affect FSH levels ?
