

**Chapter 21**

Use with Section 1

**ENRICHMENT****● Human Reproduction****Hormonal Control of the Menstrual Cycle**

Using some references, find out more about the hormonal control of the menstrual cycle. Use information obtained from your research to answer the following questions.

1. What is menarche? \_\_\_\_\_
2. What is the average length of the menstrual cycle? \_\_\_\_\_
3. What is the endometrium? \_\_\_\_\_
4. How does FSH influence the ovarian follicle? \_\_\_\_\_
5. What happens when estrogen levels begin to increase? \_\_\_\_\_
6.
  - a. When is an ovum released? \_\_\_\_\_
  - b. What hormone is in the highest amount at the time of ovulation? \_\_\_\_\_
  - c. What ovarian hormone is produced in response? \_\_\_\_\_
7. In the absence of pregnancy, what happens to the levels of estrogen and progesterone?  
\_\_\_\_\_
8. Which hormones are necessary to maintain the uterine lining? \_\_\_\_\_  
\_\_\_\_\_
9.
  - a. What does the hormone called human chorionic gonadotropin (HCG) do? \_\_\_\_\_  
\_\_\_\_\_
  - b. Where is HCG made? \_\_\_\_\_
10. FSH and LH are abbreviations. What are the names of these hormones? \_\_\_\_\_  
\_\_\_\_\_