

7th Scavenger Hunt 16.1

Date _____

Last Name _____, First _____ per _____

Pre-read chapter 16.1 starting on page 634. Answer the questions.

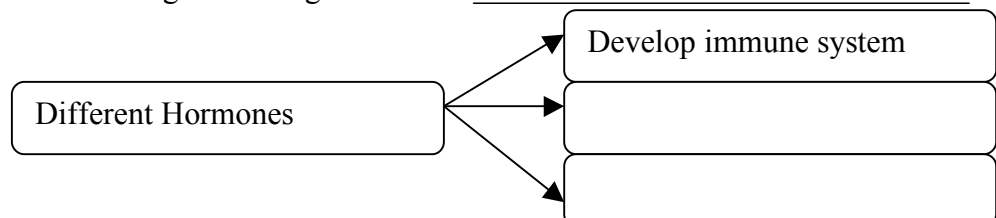
1. What is the **title of chapter 16**? _____
2. What is the **“Big Idea”** of chapter 16 _____

3. **Check what you know.**
 - a. How do traits pass from one generation to the next?

 - b. Which cells in the body play a key role in reproduction? _____
4. **“Build Your Science Vocabulary”**
 - a. What is the vocabulary skill being discussed in the section? _____
 - b. *Complete the table.*

Verb	Noun	Adjective
_____ To change and become specialized in the process of embryo development	_____ The process in which cells change and become specialized during the development of an embryo	differentiating _____ _____
Menstruate _____ _____	_____ The process in which blood and tissue pass from the female body	Relating to the process in which blood and tissue pass from the body
Ovulate _____ _____	_____ The process in which an egg is released from the ovary	Ovulating _____ _____

- c. Apply It! *Complete the sentences.*
 - i. After _____ occurs, the egg may be fertilized.
 - ii. Women usually _____ about half way through the menstrual cycle.
5. **Photos on page 637**
 - a. Look at the top photo labeled ovulation on page 637. Guess what kind of cell the red object is. _____
6. **How to Read Science.** page 638 *Complete the graphic organizer*
 - a. What is the reading skill being discussed? _____



7. **Lab Zone Standards Investigation page 639.**
 a. If you were to complete this project for extra credit, What would be your goal? _____

8. **California Standards Focus page 640**
 a. How does the endocrine system _____ body processes?
 b. What are _____?
 c. How does _____ feedback control _____?
9. Make a list of the **6 key terms** in chapter 16 section 1
 a. _____ d. _____
 b. _____ e. _____
 c. _____ f. _____
10. **Lab Zone Standards Warm Up “What’s the Signal?” page 640**
 a. Why is it important for players in this game to respond to signals? _____

11. **Red and Blue Headings in section 6.1 Copy the headings and subheadings.**
 a. _____
 i. _____
 ii. _____
 iii. _____
 b. _____
 i. _____
 ii. _____
 c. _____
12. **Green/Yellow Key Page 641**
 a. What does the endocrine system produce? _____
 b. What do the chemicals produce by the endocrine system do? _____
 c. In addition to regulating short term body changes, the endocrine system also regulates what other kind of changes? _____
13. **Highlighted words page 641**
 a. This word describes glands that release chemicals directly into the blood stream.

 b. What is a **hormone** and how do they affect the activities of different organs and tissues? _____

14. **What do you think the girl in the picture on page 640 is feeling?** _____
15. **Study figure 1 “Endocrine Control”**
 a. What body system controls the body’s response to an exciting situation, such as a roller coaster ride? _____
 b. What kind of glands regulate changes that occur as a baby grows?

16. **Lab Zone Skills Activity page 642**
 a. What kind of model would be made in this activity? _____

17. **Highlighted words page 642**

- a. **target cells?** _____
 b. **hypothalamus?** _____

18. **Green/Yellow Key page 642**

- a. List the 9 endocrine glands.
- | | |
|------------|-------------|
| i. _____ | vi. _____ |
| ii. _____ | vii. _____ |
| iii. _____ | viii. _____ |
| iv. _____ | ix. _____ |
| v. _____ | |

19. Study **figure 2 “Glands of the Endocrine System”**

- a. Which gland releases the hormone **testosterone**? _____
 b. Which gland releases the hormone **estrogen**? _____
 c. Which gland controls glucose levels in the blood? _____

20. **Highlighted words page 644. Define**

- a. Pituitary Gland _____

 b. Negative feedback _____

21. **Green/Yellow Key page 644**

- a. Through a negative feedback system, what causes the endocrine system to stop releasing a hormone? _____

22. **Figure 3 Pituitary Gland**

- a. Where is the pituitary gland located? _____
 b. How does it control several important body functions? _____

23. **Go Online Active Art Activity “Negative Feedback” page 645**

- a. What is the web code for accessing this activity? _____

24. Study **figure 4 “Negative Feedback”**

- a. What gland controls the other glands, the pituitary and the thyroid?

- b. When the hypothalamus senses that cells need energy, it signals the pituitary to release a hormone that is abbreviated with 3 letters. What is the hormone? _____
- c. The hypothalamus also signals the thyroid to release a hormone. What is the hormone? _____
- d. What happens when the hypothalamus senses that the cells have enough energy?
