Bovine Reproductive Endocrinology  by C Kohn

Name: Hour Date:

Date Assignment is due: *Thursday* Why late? Score: + ✓ -
 Day of Week Date If your project was late, describe why

# Unit Preview

 **Weekly Schedule: See Board and record**
Mon

Tues

Wed

Thurs

Fri

1. What are Hormones? What are some classes of Hormones?
2. What are some Hormones used in Reproduction?
3. What are some differences between the Endocrine and the Nervous System?
4. Please write a definition for Bovine Reproductive Endocrinology.

Circle one: *I have learned some of this material in previous classes.* Definitely – Yes – Sort of - No

Circle one: *I need to review my notes & practice before the quiz.* Definitely – Yes – Sort of - No

Circle one: *I have never seen or heard of some of these concepts.* Definitely – Yes – Sort of - No

Circle one: *This may be a challenging unit for me personally.* Definitely – Yes – Sort of - No

**Directions**: Use the accompanying PowerPoint (<http://bit.ly/repro-endo>) to complete this sheet. This sheet will be due upon the completion of the PowerPoint in class. These assignments are graded on a +/√/- scale.

1. Homeostasis is
2. The two systems responsible for maintaining homeostasis are
3. The nervous system is responsible for
4. The endocrine system is responsible for
5. The nervous system is -term while the endocrine system is -term.
6. A gland is a type of organ that
7. List and briefly describe the two kinds of glands:

1

2
8. List the 8 endocrine glands:
9. Can parts of the brain be considered part of the endocrine system and not part of the nervous system? Explain:
10. List and briefly describe the three classes of hormones:

1

2

3
11. What is a hormone?
12. What is an endocrine gland?
13. What is a target tissue?
14. Is an endocrine gland a specific tissue? Explain:
15. List where each of the following hormones are produced:

	1. GnRH
	2. FSH
	3. LH
	4. Estrogen
	5. Progesterone
	6. PGF2α
16. How are hormones and target tissues sort of like a lock and key?
17. An releases a into the blood.

It travels throughout the body and affects tissue with a for that particular

 with a specific targeted .
18. Describe the action of each of the following:

GnRH

FSH

LH

Estrogen

Progesterone

PGF2α
19. Fill in the boxes for the charts below:

20. What is necessary for a veterinary hormone therapy to be approved for use?
21. Ovsynch enables a producer to make a cow
22. Ovsynch uses what two hormones?
23. List what occurs at each stage of the Ovsynch treatment:

Day 0

Day 7

Day 9

Day 10
24. What does CIDR stand for?
25. What does a CIDR do
26. What hormone does CIDR use?
27. How does CIDR work?
28. What hormone does Lutalyse use?

	1. What does this treatment do to a cow?
	2. Why would a producer want this to happen?
29. For each of the following scenarios, state which hormone therapy would be most useful:

	1. You need to prevent a cow from going into heat:
	2. You need to end a cow’s estrus cycle:
	3. You need to create a predictable time to breed a cow:

Unit Wrap-up C. Kohn, Agricultural Sciences - Waterford WI

This page is designed to help raise your grade while enabling you to develop skills you will need for after high
school. You will need to complete every question and blank in order to receive full credit for your notes. Note: if you cannot come up with a strategy to remember a difficult concept on your own, see your instructor for help.

1. What is a topic or concept from this unit that you found to be more challenging? Write or describe below:

In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
2. What is a 2nd topic or concept from this unit that you found to be more challenging? Write or describe below:

In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
3. What is a 3rd topic or concept from this unit that you found to be more challenging? Write or describe below:

In the space below, create a mnemonic, rhyme, analogy, or other strategy to help you remember this particular concept:
4. Circle the most appropriate response. You will only be graded on whether or not you completed this section, so be entirely honest with yourself when completing this section.

Circle one: *I used my notes outside of class to prepare for the quiz.* Definitely – Yes – Sort of - No

Circle one: *I took extra notes in the margins for very difficult concepts.* Definitely – Yes – Sort of - No

Circle one: *I created a personal strategy for at least three difficult items.* Definitely – Yes – Sort of - No

Circle one: *I was very involved and actively studying during the quiz review.* Definitely – Yes – Sort of - No

Circle one: *I think I will be satisfied with the quiz grade I received this week.* Definitely – Yes – Sort of - No

Circle one: *I might need to meet with the instructor outside of class.* Definitely – Yes – Sort of - No