Reproductive Hormone Worksheet

There are no online lectures for chapter 16-18. Instead, go thru the chapters and answer the following questions. You must post your answers on the week 8 discussion board to get credit for the discussion.

From Hadley

Ch 16
1. Describe the process of mammalian sex determination. What hormones are involved in this process and what does each one do?

2. How do the gonadal steroids influence brain differentiation?

3. How do the gonadal steroids influence puberty? Define delayed puberty, precocious puberty.

4. What is hermaphroditism and how does it occur?

Ch 17
1. Describe the source, synthesis, chemistry and metabolism of androgens.

2. What are the physiological roles of androgens?

3. What are the physiological roles of estrogens?

4. How do GnRH and Pituitary gonadotropins influence testicular function?

Ch 18
1. How are estrogen and progesterone synthesized?

2. What is the mechanism of action for the ovarian steroids?


4. Define: inhibin, activin, uterine cycle, ovarian cycle, vaginal cycle induced ovulation, spontaneous ovulation, delayed ovulation

From Sapolski

Ch 13
1. How do stress hormones influence or create depression?

Ch 16
1. What are some strategies on managing stress?