1. Compare and contrast amino acid based hormones (Proteins and amines) vs. Steroid hormones vs. Thyroid amines vs. Eicosanoids
   a. What are they made of?
   b. What type of receptor do they bind to?
   c. What effect might they have?
   d. Are they water or fat soluble?

2. Be able to compare and contrast how the endocrine system and autonomic nervous system control the body. Review the table we completed in class.

3. Know the structure of G protein linked receptors and how they signal a reaction in the target cell.
   a. What type of hormones use these receptors?
   b. What type of response can they initiate in the target cell?
   c. Be able to identify all the parts and the order in which they function.

4. What 3 factors influence how a target cell responds to a hormone?
   a. Can the number of receptors on a target cell ever change? What do they change in response to?
   b. What might cause this?

5. When more than 1 hormone is effecting a target cell what are the 3 types of interactions that can occur?
   a. What is the result at the target cell of these interactions?

6. Compare humoral vs. hormonal vs. neural control for the release of hormones.
   a. What stimulates the release of the hormone?
   b. Is the hypothalamus involved?
   c. What 3 glands are controlled neurally?

7. Know the structural and functional relationship between the hypothalamus and anterior and posterior pituitary glands.
   a. How does the hypothalamus communicate with each of these glands?
   b. What are the 6 hormones made by the anterior pituitary (remember, TP FLAG) and the 2 STORED by the posterior pituitary.

8. Know the difference between tropic and nontropic hormones.

9. Know how we transport and eliminate the hormones from the body.
   a. Are fat soluble and water soluble transported and eliminated differently?
10. Be able to distinguish a negative feedback loop from a positive feedback loop.

11. Know the specific hormones that we covered on the hormone table.
    a. What gland secretes them?
    b. What stimulated their release and what form of control was used?
    c. What is the target?
    d. What is the effect?
    e. Know any abnormalities we may have learned associated with these hormones.