Endocrine system worksheet #2

Fill in the blank

1. The level of hormones in the blood function in a __________ Range.

2. The posterior pituitary is mostly composed of __________ While the anterior pituitary is composed of __________.

3. In a hormone reaction chart negative feedback is represented by a __________ line or a __________.

Multiple choice

1. Which of these is not one of the three factors that affect target cell activation?
   a. Affinity
   b. Blood concentration of the hormone
   c. Body temperature
   d. The number of receptors

2. Humoral stimulation is:
   a. The release of hormone due to the nervous system
   b. The release of hormone due to changes in ion/nutrient concentration
   c. The release of hormones due to stimulation by another hormone
   d. The prevention of hormone release

3. The first step in hormone release from the anterior pituitary is:
   a. Movement of inhibitory or stimulating hormones through the portal system
   b. The hormones just diffuse into the blood
   c. Neural stimulation of the hypothalamus
   d. Neural stimulation of the anterior pituitary

4. What is the hormone released by the hypothalamus that causes release of FSH and LH?
   a. LH and FSH are released from the hypothalamus
   b. Estrogen
   c. TSH
   d. GnRH

Short answer

1. What are the three types hormone releasing stimulation?
2. What is an example of each type of stimulation? Is it a positive or negative feedback loop?

3. What are the hormones produced by the anterior pituitary gland?

4. Draw a flowchart that depicts the movement of TSH starting with the hypothalamus.

5. Draw a flowchart that depicts the movement of LH/FSH starting with the hypothalamus.