

Lecture 10: Active Learning Questions

1. What is *blood glucose*? What is the rested and fasted *blood glucose range* considered clinically normal (be sure to indicate units, also)? What is the *cutoff* or threshold for being classified as *diabetic*?
2. What is *insulin* and where is it made? What is its *general function*? What happens to insulin in a *Type I diabetic*?
3. Give 4 *warning signs* of *diabetes*. What happens if diabetes is *not treated*?
4. How are the hormones *insulin* & *glucagon* related? What does *glucagon* do? If you are between meals and getting really *hungry*, *which* of these *hormones* is released? What is the *effect* when the hormone is released?
5. How are the *hypothalamus* and the *anterior pituitary* connected *anatomically*? What triggers the *release of anterior pituitary hormones*? How are the *hypothalamus* and the *posterior pituitary* connected *anatomically*? List 2 *hormones* the *hypothalamus* produces, but are *stored in the posterior pituitary*. What are the *specific actions* of these two hormones?