BI 358 Active Learning Q Lecture 1

1. Where are baroreceptors located? What do baroreceptors do, that is, what is their function? When a human moves from supine or seated to standing, how do the baroreceptors respond? Where is the set point for blood pressure located? What target organs to compensate for a sudden change in pressure?

2. Using two of the components of a simplified homeostatic model, describe negative feedback? When might positive feedback be used in the human body? Describe the relationship between positive and negative feedback.

3. Which class and individual neurotransmitters are prominent in reward pathways and chemistry of addiction?

4. How does cocaine effect dopamine, norepinephrine and serotonin pathways? What do LSD and Ecstasy have in common?

5. What are the effects of opiates on the limbic system, brain stem and spinal cord? What do heroin and marijuana have in common?