

BI 358 Active Learning Q Lecture 2

1. What is *feedback gain*? How is it *defined*? If the limit of the error approaches infinity ($\rightarrow\infty$), what happens to the gain?
2. Which *class* and individual *neurotransmitters* are prominent in reward pathways and *chemistry of addiction*?
3. How does *cocaine* effect *dopamine*, *norepinephrine* and *serotonin* pathways? What do *LSD* and *Ecstasy* have in common?
4. What are the effects of *opiates* on the *limbic system*, *brain stem* and *spinal cord*? What do *heroin* and *marijuana* have in common?
5. *How* and *where* does *naloxone/Narcan* work to revive those who *overdosed on opioids*?