

Brain Physiology Questions

- 1) What role does GABA play in the nervous system? Please be descriptive.

- 2) Describe the effect that alcohol has on the normal functioning of GABA receptors.

- 3) Think of a time when you witnessed someone under the influence of alcohol. What physical behaviors are characteristic of intoxication? How might you explain these characteristics using the images you just viewed?

- 4) In light of these facts, why is it a bad idea to drive while intoxicated? How might alcohol affect one's driving ability?

- 5) Describe how cocaine's ability to block reuptake pumps for dopamine causes an intense feeling of euphoria.

- 6) Why does one need to take higher and higher doses of cocaine in order to feel the same sense of pleasure from the drug?

- 7) Describe normal dopamine function.

- 8) How are the natural levels of dopamine altered by use of opiates?

Virtual Brain Surgery Questions

- 1) Why does the hair need to be shaved from the head?
- 2) Why are so many scrubbing and drapes necessary?
- 3) Why is a saline solution used during drilling through the skull?
- 4) What portion of the brain is being stimulated?
- 5) What condition is the patient exhibiting?