-	Describe the three major divisions of the vertebrate brain and what each does, in general terms. How does the relative size of each region vary in different organisms?
-	Are all regions of the brain required to sustain life?
-	What are the two major divisions of the nervous system? What organs/nerves are part of each division?
-	How are the efferent neurons of the peripheral nervous system subdivided?
-	How is the autonomic nervous system subdivided? Generally speaking, what does each subdivision do? How do they work together?
-	What is a synapse?
-	What are the two types of synapse? How are signals transmitted in each type? What are the pros and cons of each?
-	A particular neurotransmitter can only be excitatory OR inhibitory- true or false? What is an inhibitory postsynaptic potential? An excitatory postsynaptic potential? Explain what they are physiologically and what their effect on the neuron is.

-	Generally speaking, what does acetylcholine do?
	 What are the two types of receptor that it can bind to, and what are the effects of binding to each one?
	- What effect would a drug have if it was an agonist of each receptor? If it was an antagonist? Name an example of each kind of drug (four total)
	- What do acetylcholinesterase inhibitors do?
-	How do we end a signal that's being transmitted by a neurotransmitter (two ways)?
-	What effect, generally speaking, does GABA have?
	- What type of receptor does it bind?
	- What effect would a drug have if it was an agonist of each receptor? If it was an antagonist?
-	What effect, generally speaking, does glycine have?
	- What type of receptor does it bind?

- What effect would a drug have if it was an agonist of each receptor? If it was an antagonist?
- How does a neuron integrate all of the neurotransmitter input from its neighbors and decide whether it should fire an action potential?
- What effect, generally speaking, does glutamate have?
 - What type(s) of receptor does it bind?
 - What effect would a drug have if it was an agonist of each receptor? If it was an antagonist?
- How does glutamate signalling play a role in learning and memory? (Hint: what does the term "long-term potentiation" mean?)
- What is the unique way that glutamate is removed from the synapse?
- What effect, generally speaking, does dopamine have?
 - What type(s) of receptor does it bind?
 - What effect would a drug have if it was an agonist of each receptor? If it was an antagonist?
- What effect, generally speaking, does serotonin have?
 - What type(s) of receptor does it bind?
 - What effect would a drug have if it was an agonist of each receptor? If it was an antagonist?
 - If a drug is a "serotonin reuptake inhibitor" (SRI), what effect would you infer from that term in terms of neurotransmitter levels and in terms of whole-organism effect?

- What effect, generally speaking, does nitric oxide have?
 - What types of receiver does it interact with?
 - What effect would a drug have if it was an agonist of this receiver? If it was an antagonist?