Assignments and Activities - 4

Task 1: Test your understanding

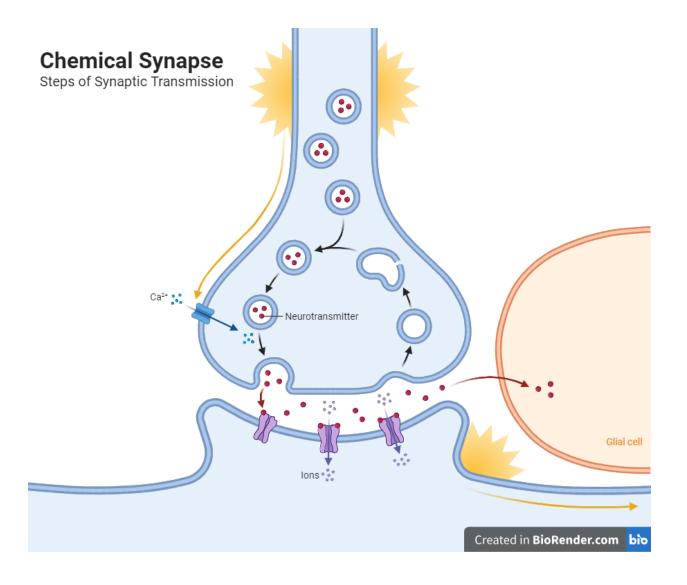
•	ug called <i>strychnine</i> , isola s rat poison, blocks the ef glycine receptor?		
•	is an excitatory synapse or euron than an excitatory sy	0	n potentials in

Task 2: Build the Puzzle

Task 2a: Access this link and build the puzzle of the synaptic transmission.

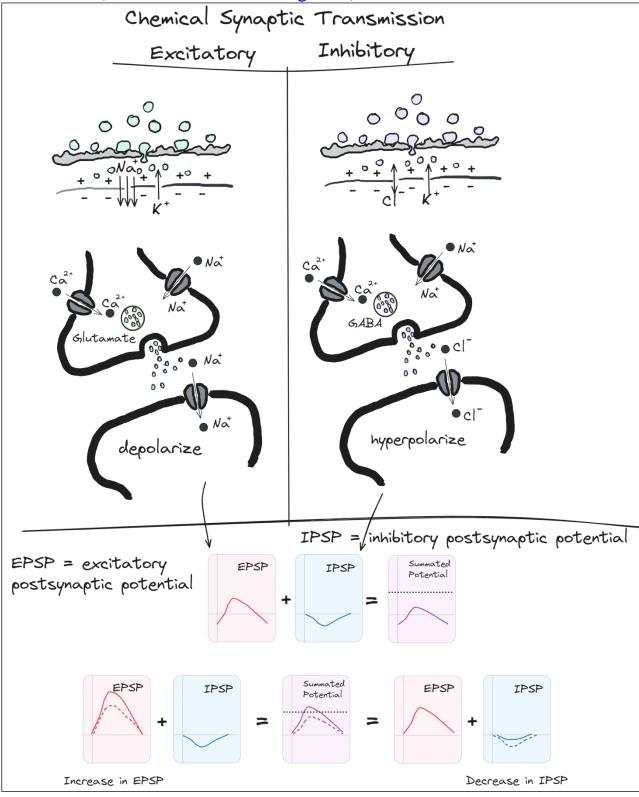
Task 2b: Once the puzzle is done, arrange the following steps of the synaptic transmission in the right order and assign them by drawing arrows to their corresponding representation in the image of the synaptic transmission.

- Ca²⁺ allows vesicle docking and neurotransmitter release.
- Vesicular membrane is retrieved from the plasma membrane.
- Neurotransmitters are synthesized and stored in vesicles.
- Excitatory (or inhibitory) postsynaptic potential is generated.
- Neurotransmitter is removed by glial uptake (or enzymatic degradation).
- Voltage-gated Ca²⁺ channels open, allowing influx of Ca²⁺.
- Action potential arrives at the presynaptic terminal.
- Neurotransmitter binds to the receptors, causing channels to open (or close).



Task 3: Draw me a Brain Ep. 4

Draw this (<u>link to editable drawing here</u>):



Your turn	:			