Cogs 17: Section

Tricia Ngoon 7.6.17

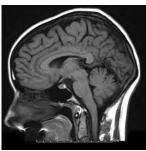
Contact me

• Section site: <u>tinyurl.com/s1cogs17</u>

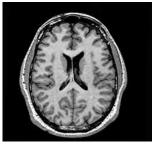
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• Office Hours: Thursdays 11am-12pm in CSB 233

Which are these 3 planes?





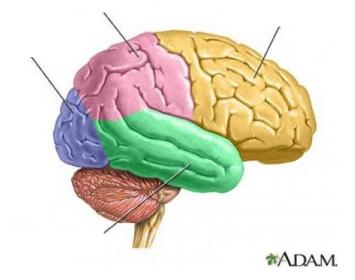






C.

Label and describe the lobes of the brain



What do these terms mean?

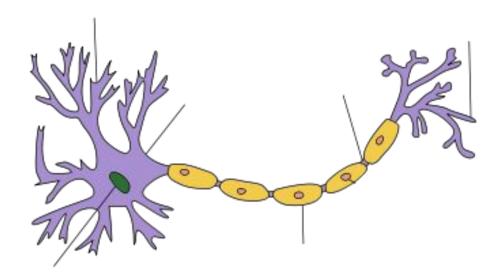
"The visual cortex receives information directly from its **ipsilateral** LGN that receives signals from the **contralateral** visual field."

- Ipsilateral -
- Contralateral -

What is the function of these cells?

- Neuron -
- Glia cell -

Label these neuron parts

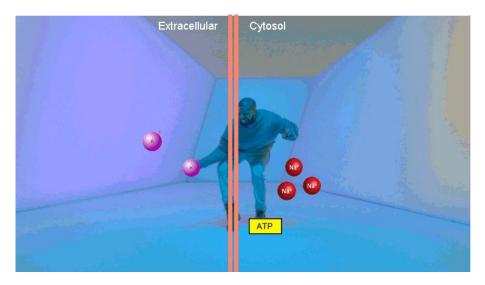


How do cells maintain equilibrium in our bodies?

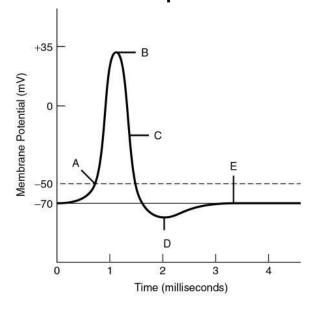
- ______ Difference in amount of a given chemical inside/outside a cell
- ______ Difference in charge inside/outside cell

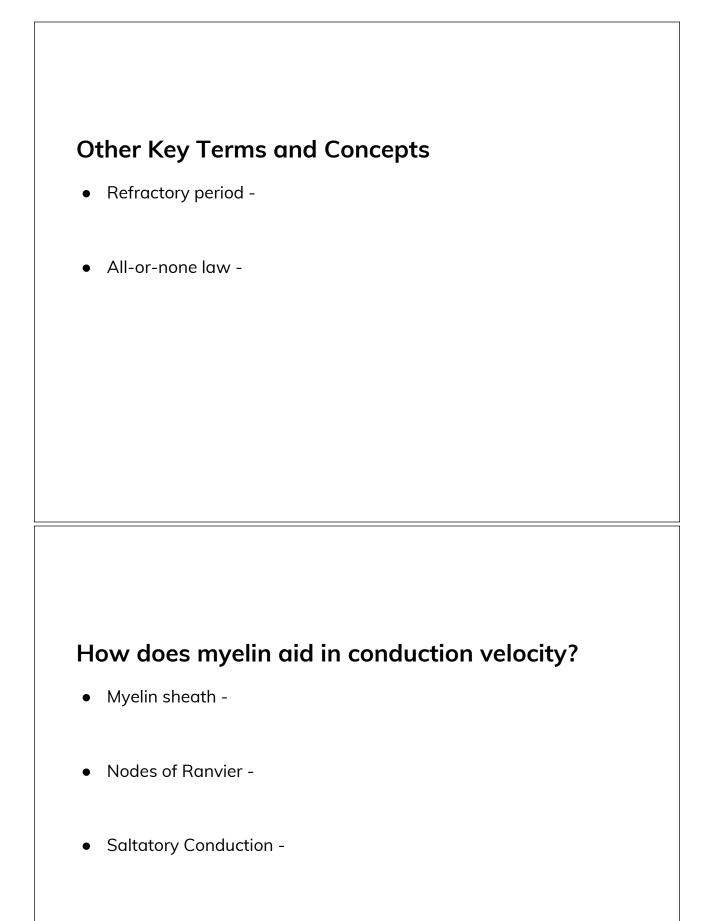
hat is the sym	nbol for the	ese ions?		
hat is the Soc	lium-Potas	ssium Pun	np?	
	Sodium: Potassium: Calcium: Chloride:	Sodium: Potassium: Calcium: Chloride:	Potassium: Calcium: Chloride:	Sodium: Potassium: Calcium:

3 Na+ OUT/2 K+ IN

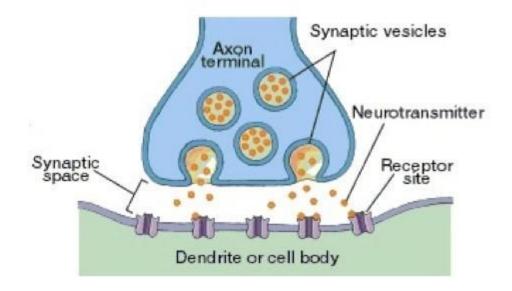


Label and describe the steps of an action potential





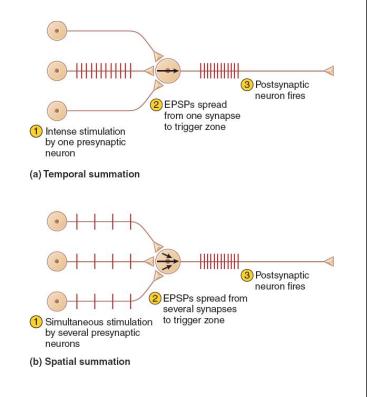
How are NTs transferred between neurons?



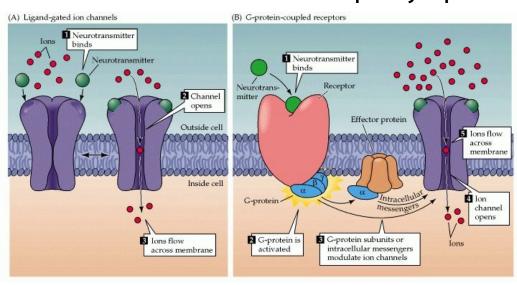
NTs can have 2 effects on postsynaptic cell

- EPSP -
- IPSP -

What is the difference between temporal and spatial summation?



2 mechanisms for how NTs affect the postsynaptic cell



Describe these 2 mechanisms • lonotropic -

What's the difference between agonists and antagonists?

• Agonist -

• Metabotropic -

• Antagonist -

Main Neurotransmitters

- ACh neuromuscular junction, arousal
- GABA suppresses cortical activity, regulate anxiety
- Glutamate learning, perception
- Serotonin (5-HT) sleep, mood regulation
- Dopamine reward, reinforcement
- Norepinephrine/Noradrenaline arousal, attention
- Substance P pain
- Endorphins counteract substance P
- Hormones e.g. oxytocin, insulin, cortisol

Memorization and Study Tips

- Print out a brain and label the parts
- Make flashcards
- Self-explanation