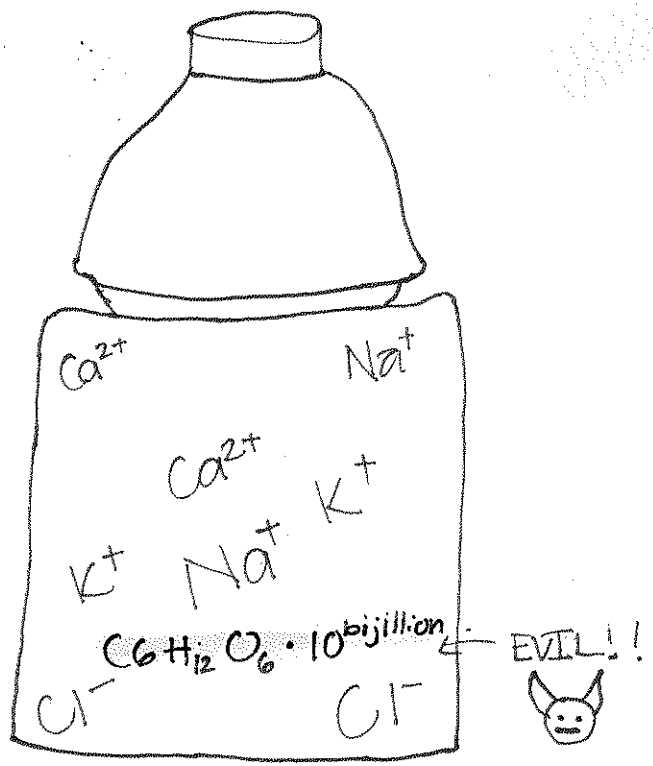
# Body Electric

# The body, electric

How does the body communicate and signal?

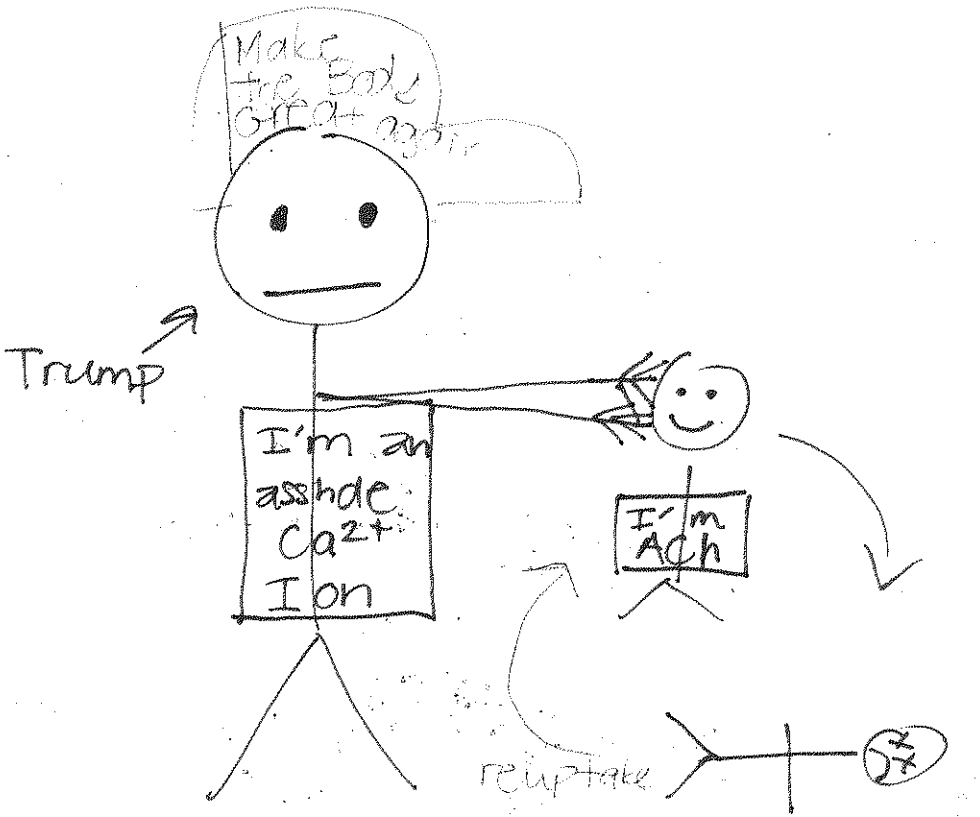
It's a biochemical process.

Let's first start with electrolytes:



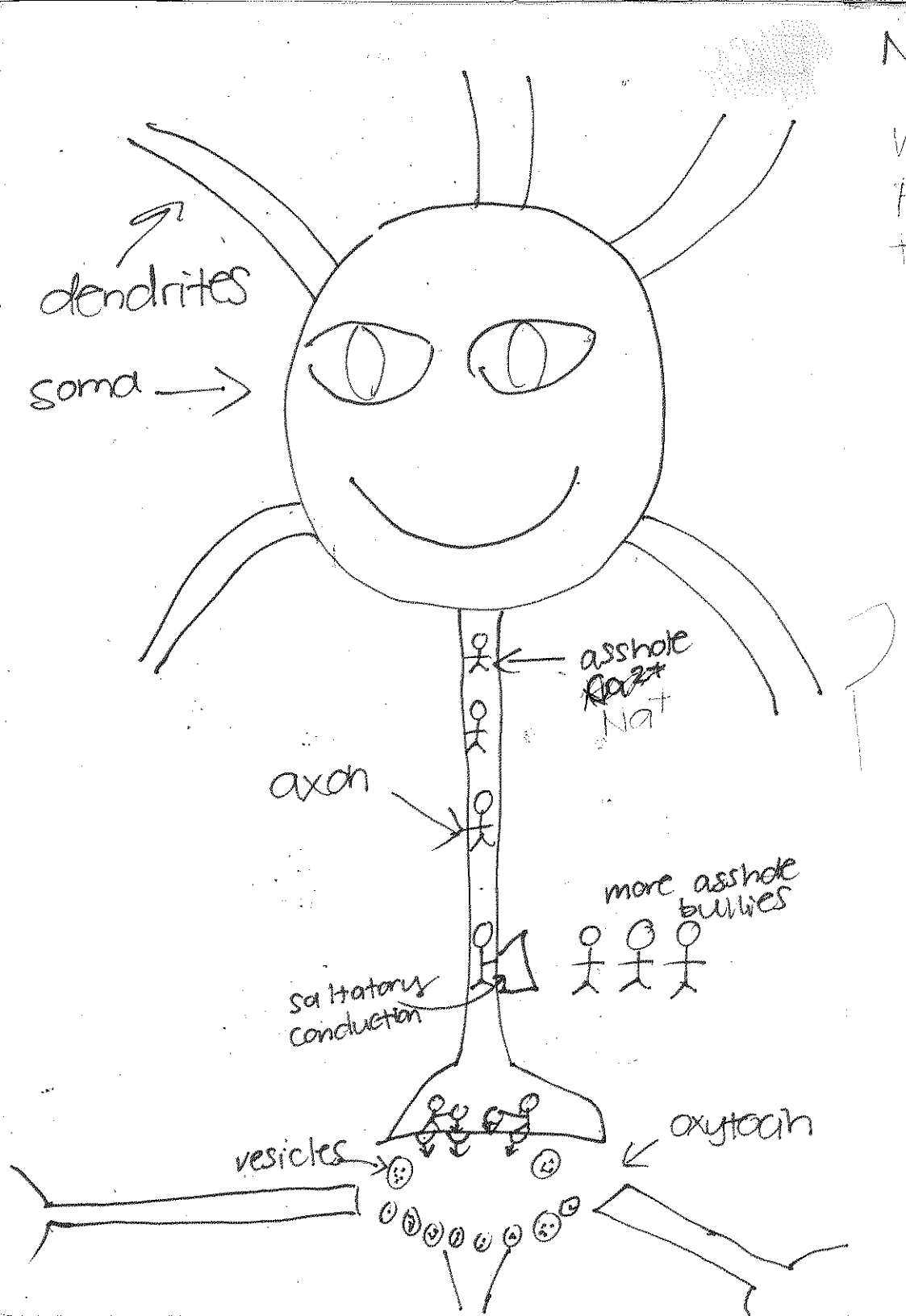

Electrolytes are charged elements. At rest, they are pretty chill, but in action, these minions are instigators!

They push around neurotransmitters like bullies.



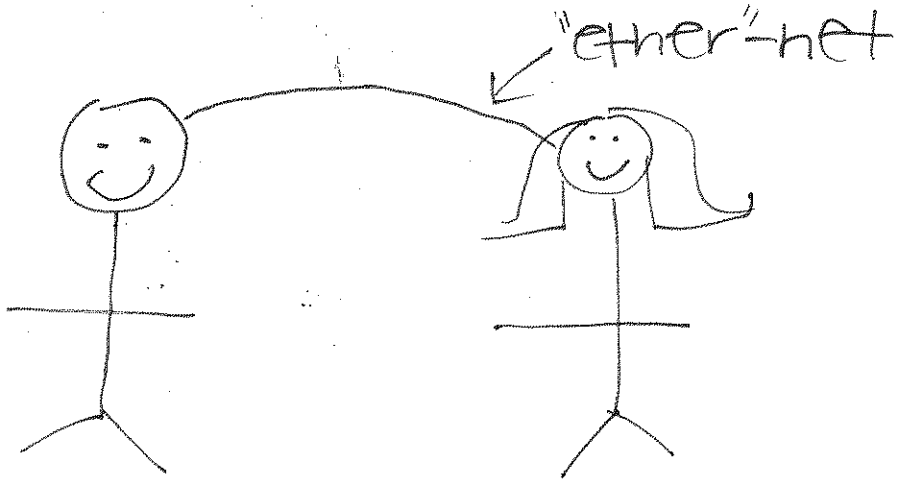
# Neuraral Cell Signaling

When a cell ~~the resting state~~ resting potential goes from -70mV to -55 mV, things go down.



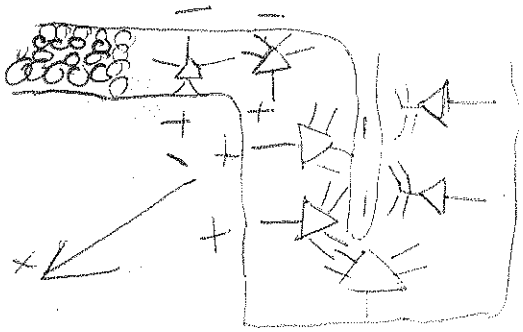
EEG

is electroencephalography and it was a technique developed but Hans Berger.

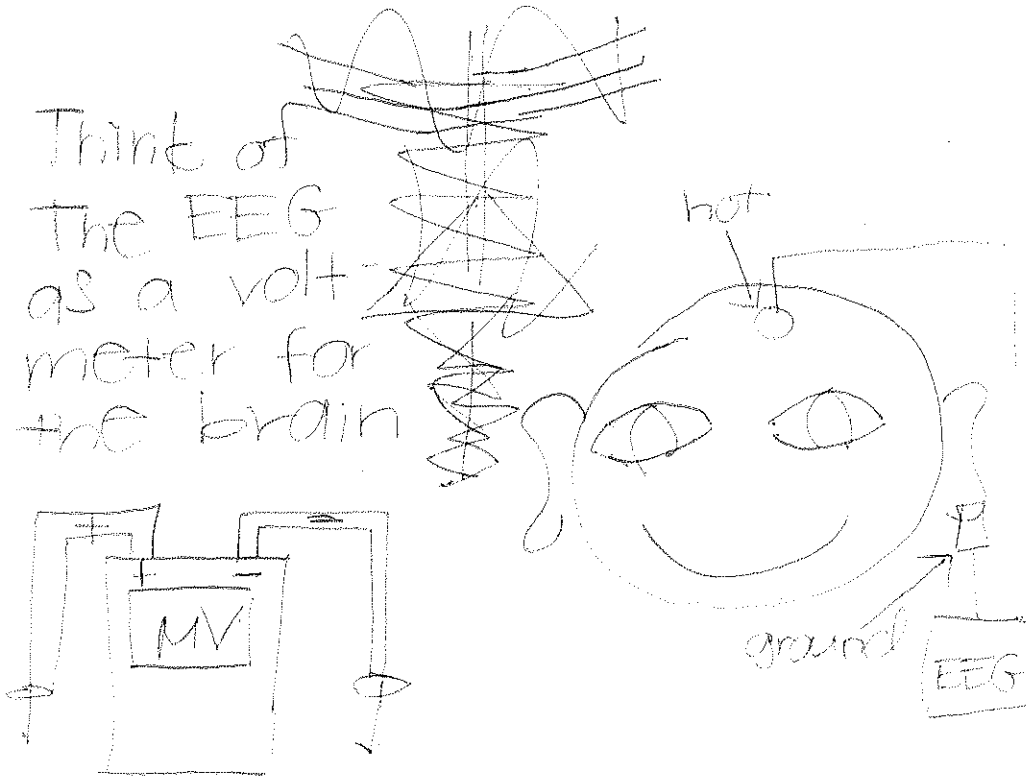



He thought that individuals were connected to each other ~~with~~ by an invisible force. psychic energy This force always for communication,

Actually EEG activity show. local field potentials from populations of neurons firing synchronously

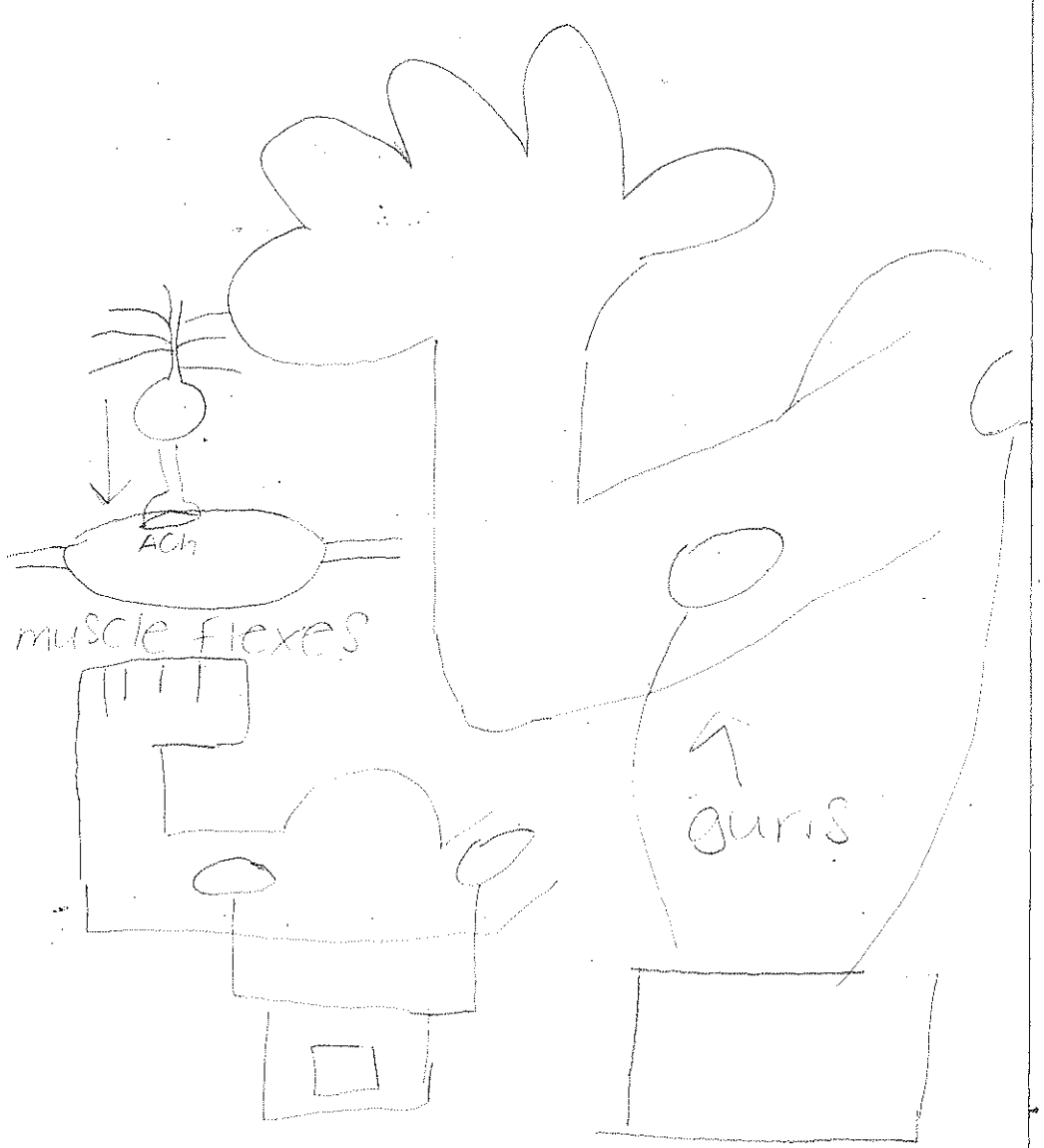


Think of The EEG as a volt-meter for the brain



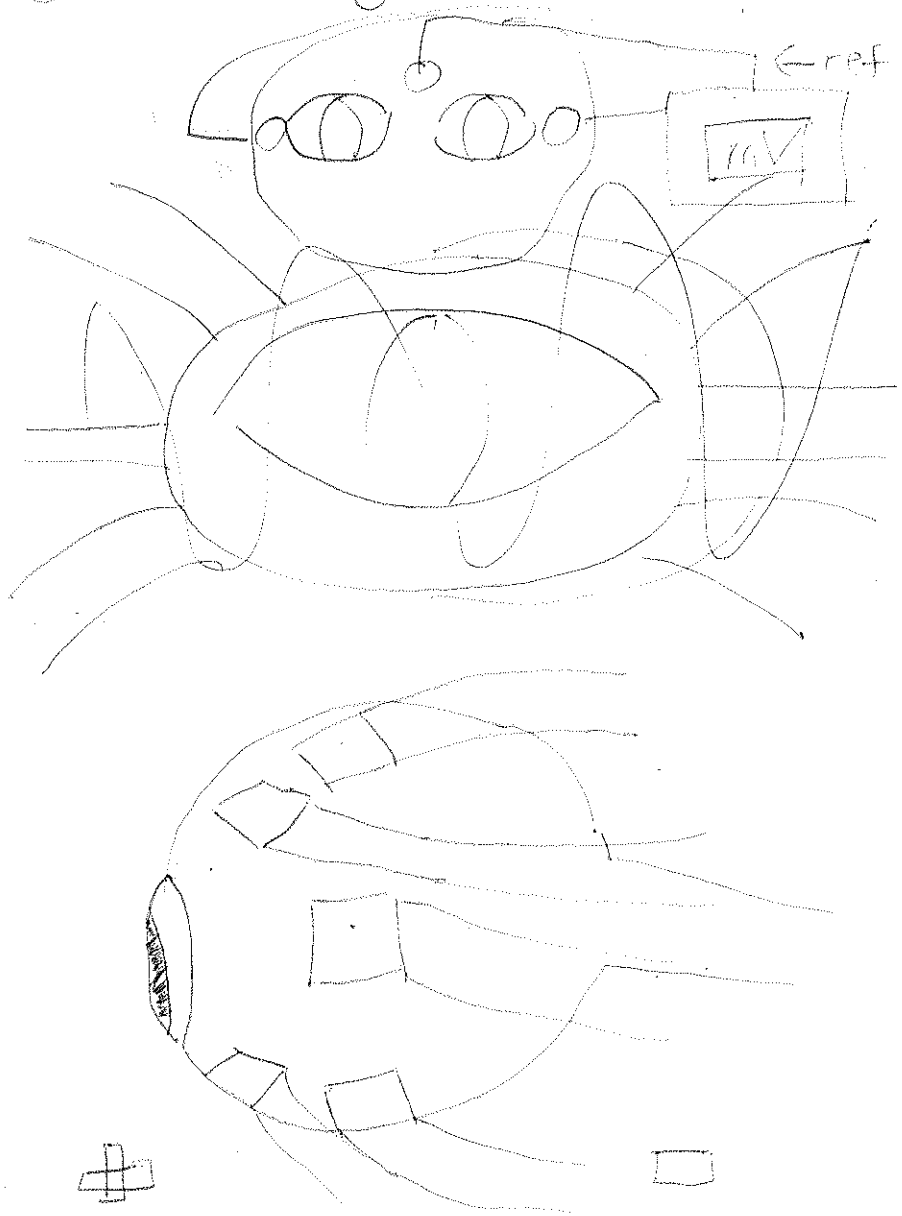
# EMG

electromyography measures muscle activity. electrical signals from



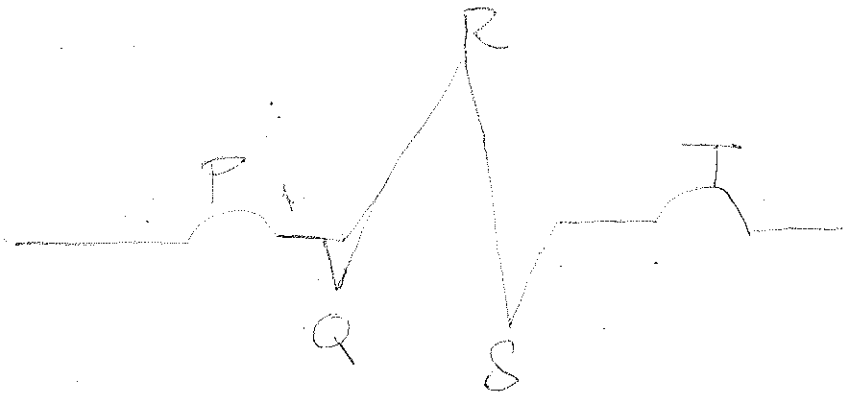

# EOG

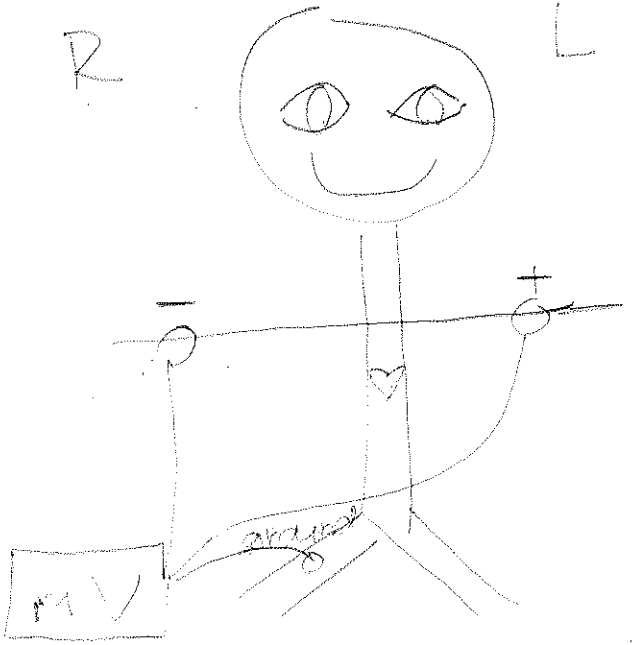
electro-oculography measures electrical activity of the eyes



EKG

electrocardiography measures the electrical activity of the heart




Our body creates tons of cool signals. They are used for hearing (EEG), doing (EMG), seeing (EOG), and living (EKG).

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