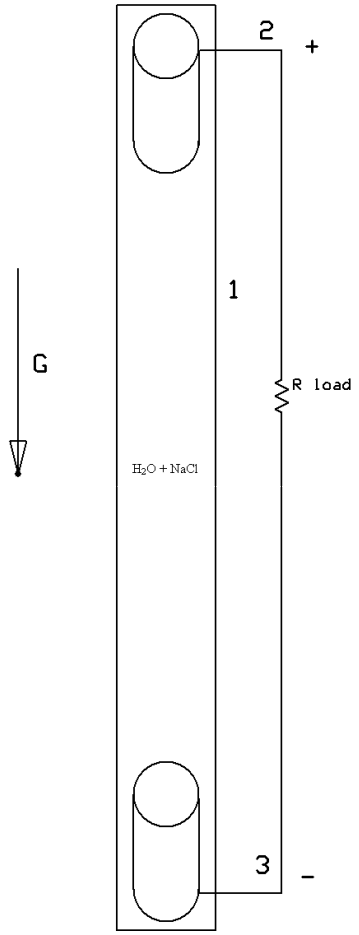
Gravity assisted battery

Theory of operation

Under gravity influence concentration of salt in water depends on height same as air pressure depends on height. If we insert two electrodes in the tube, one near top and one near bottom, due to difference in ions concentration some EMF appear between electrodes and if we close circuit there will be some electric current flow. In such buttery plus will be on top terminal and minus on bottom terminal. If you turn it upside-down polarity will change. I think if we periodically turn such battery upside-down, polarity will change periodically and we can control (reverse) processes on electrodes and avoid chemical destruction. So, theoretically, such battery can have quite long life time.

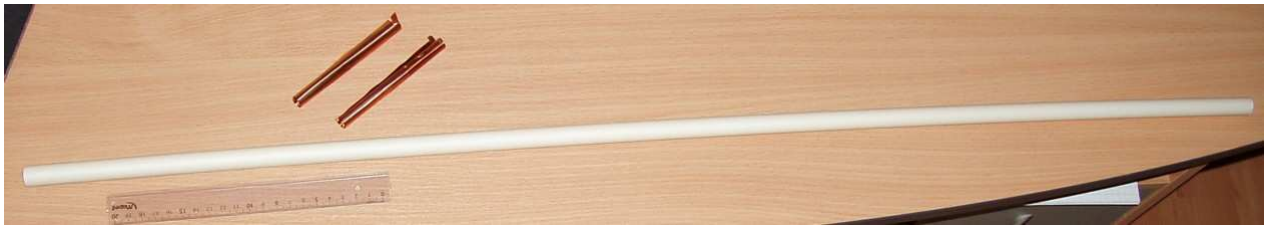


Construction:

1 plastic tube filled with salt water
2,3 plates e.g. copper

I use plastic tube 1m and electrodes made from copper foil.

Fill battery with tap water and table salt (one big spoon per 0,25l)
Seal carefuly with silicon sealant.
Place vertically and wait at least several hours.



pic. my battery under construction

References:

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