

E30 YOUR OWN BATTERY I.



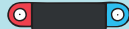
1x A/B switch



1x switch



1x resistor 1k Ω



1x battery



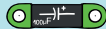
1x



2x



1x LED



1x capacitor 100uF

This circuit demonstrates the ability of the capacitor to accumulate an electric charge. By switching the capacitor to the battery, you will charge the capacitor and store electrical energy in it. When you switch it over to a LED, the energy in the capacitor is released in the form of an electric current that flows into the LED. The LED lights up. It is therefore powered from the capacitor. It is only possible to store and release energy when the switch is closed and, thus, the capacitor and LED circuit is closed.

