

Component	Symbol	Behavior in circuit
ldeal battery, emf	+ -	∆V=V ₊ -V ₋ =8
Resistor		∆V= -IR
Realistic Battery	+ -	→ ¹
(Ideal) wire		∆V=0 (→R=0, C=0)
Capacitor	+ -	$\Delta V = V_{-} - V_{+} = -q/C, dq/dt = I$
Inductor		Later this semester
(Ideal) Switch		C=0, R=0 (on), R=∞ (off)
Transformer		
Diodes, Transistors,	Future Topics	



























