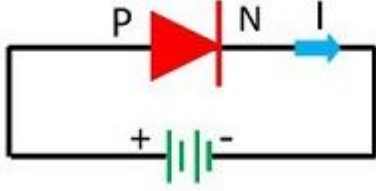
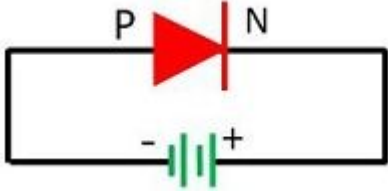


Basis for Comparison

Forward Biasing

Reverse Biasing

Definition	The external voltage which is applied across the PN-diode for reducing the potential barrier to constitutes the easy flow of current through it is called forward bias.	The external voltage which is applied to the PN junction for strengthening the potential barrier and prevents the flow of current through it is called reverse bias.
Symbol		
Connection	The positive terminal of the battery is connected to the P-type semiconductor of the device and the negative terminal is connected to N-type semiconductor	The negative terminal of the battery is connected to the P-region and the positive terminal of the battery is connected to N-type semiconductor.
Barrier Potential	Reduces	Strengthen
Voltage	The voltage of an anode is greater than cathode.	The voltage of cathode is greater than an anode.
Forward Current	Large	Small
Depletion layer	Thin	Thick
Resistance	Low	High