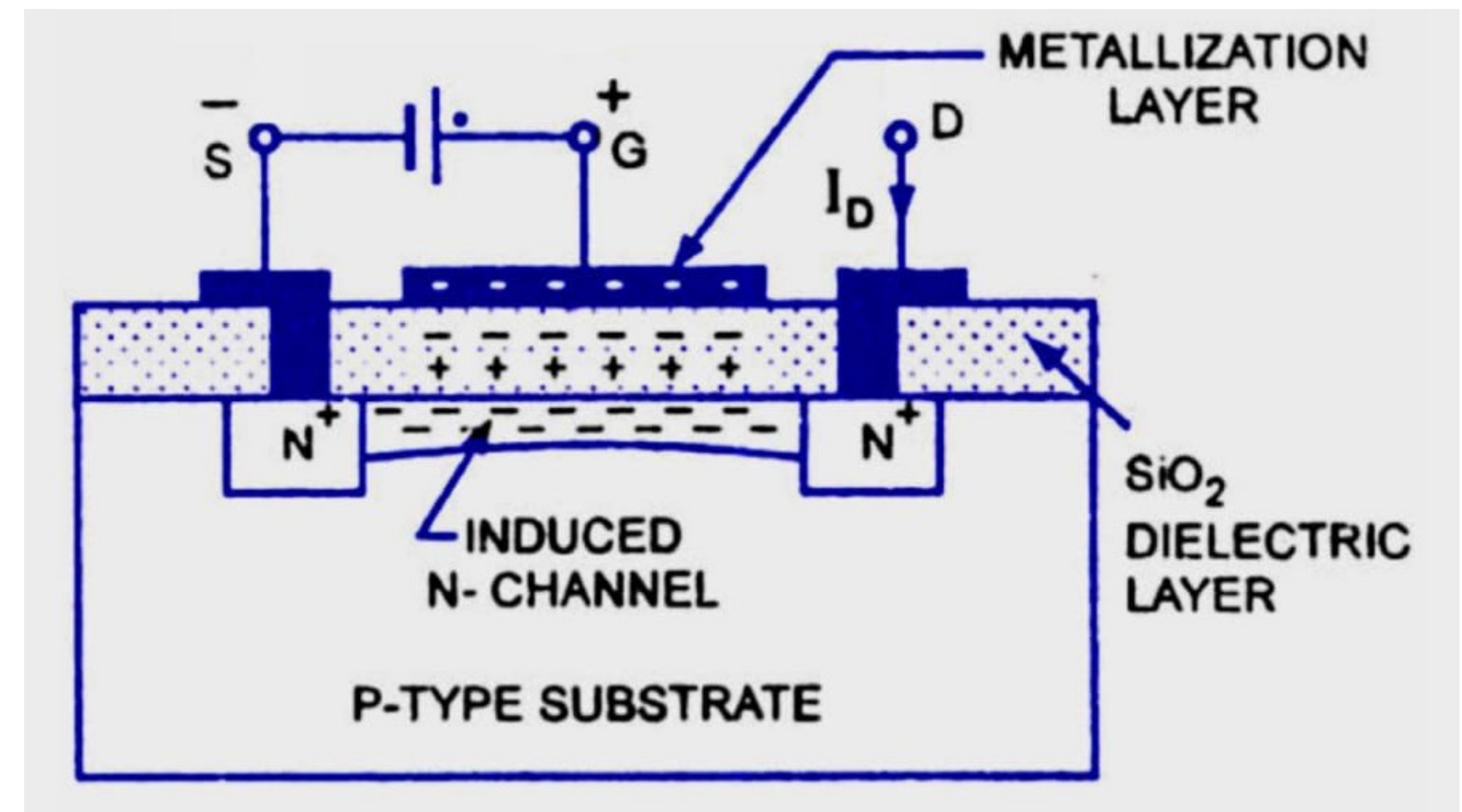


MOSFETs (N-channel)

- Have two N-type regions within a larger P-type region
- Current can only flow through when there is a connection between the N-type regions
- Applying voltage to the gate (metal oxide layer) causes some of the P-type region between the N-type regions to become N-type, by filling holes with electrons due to field change



Transistors as switches

- When voltage is applied to one side of the transistor (the "emitter"), nothing will happen to the other side (the "collector") until voltage is also applied to the middle wire (the "base")

