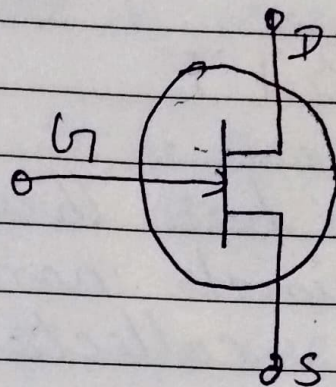
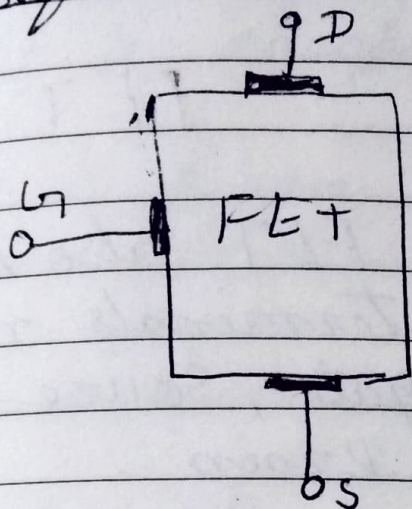


FET (FIELD EFFECT TRANSISTOR) →

The field effect transistor (FET) is a three terminal active device that uses an electric field to control the current flow and it has a high input impedance which is useful in many circuits.



FET have three terminals.

① The first terminal is the source (S) through which current enters the device denoted by I_S .

② The second terminal is the drain (D), through which current leaves the device denoted by I_D . The voltage between drain and source is V_{DS} .

③ The third terminal is the gate (G) which modulates the channel conductivity. By applying a voltage at the gate I_D can be controlled.