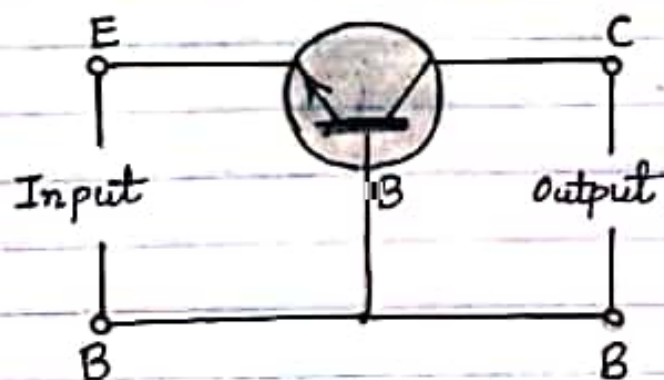
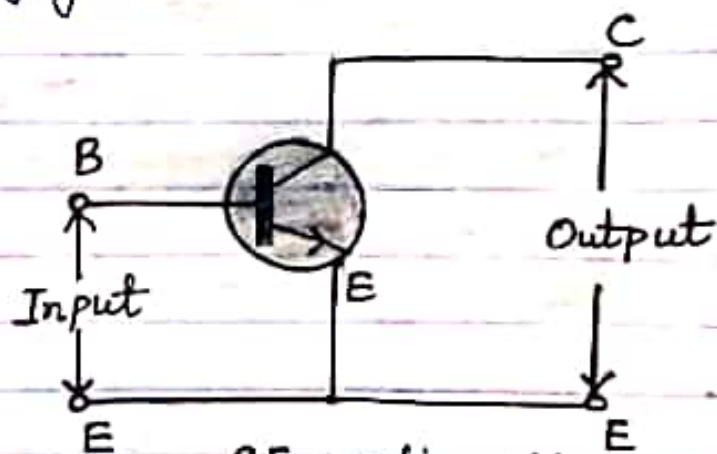


The Basic Circuit Configurations of a Transistor

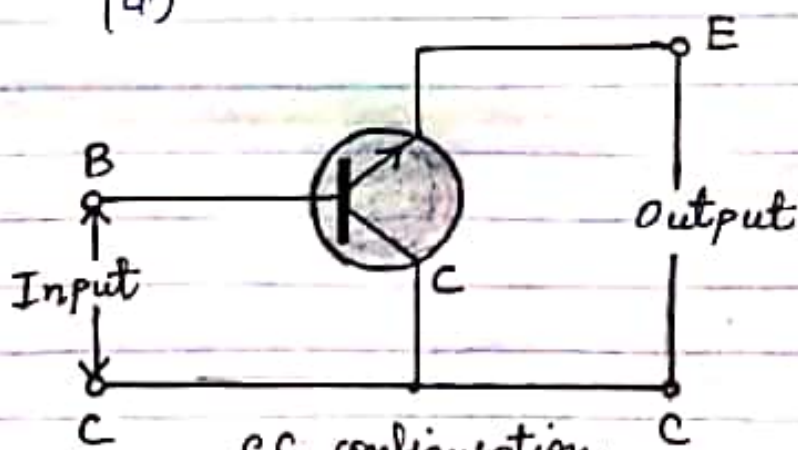
The three basic circuit configurations in which a transistor may be connected are the common-base (CB) circuit, common-emitter (CE) circuit and common-collector (CC) circuit as shown in fig.



CB configuration
(a)



CE configuration
(b)



CC configuration
Fig. (c)

In all the configurations, the emitter-base junction is always forward biased and the collector-base junction is reverse.

biased. The three types of circuits amplify signals by the same principle, of course, but they differ in some properties. The common-emitter is the most commonly used configuration because it gives the largest power gain.
