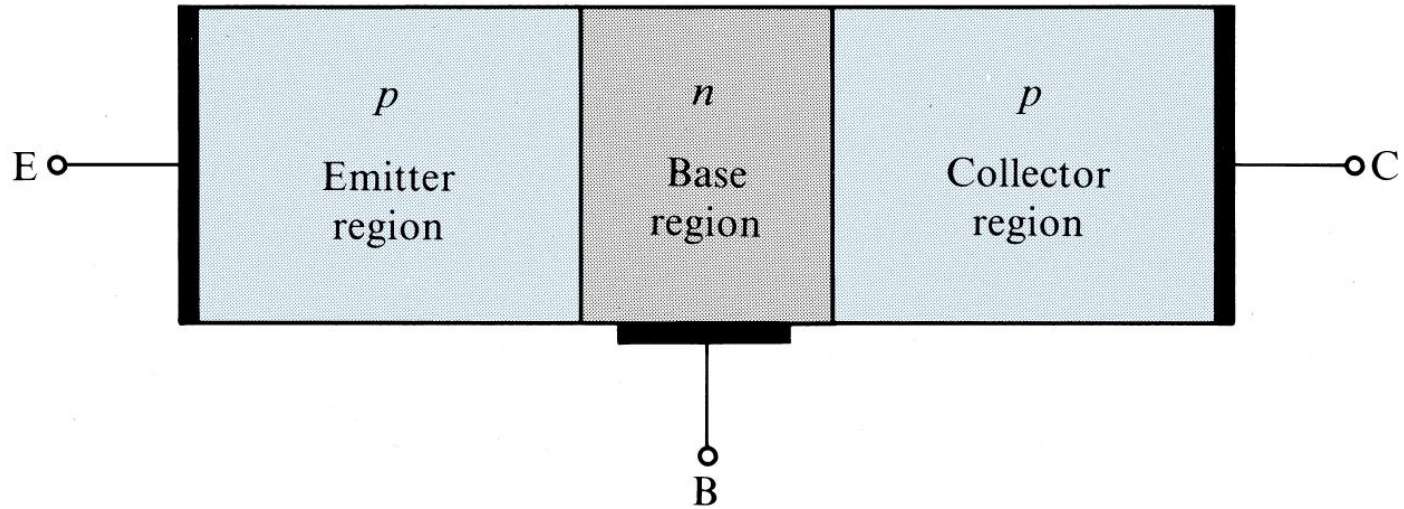


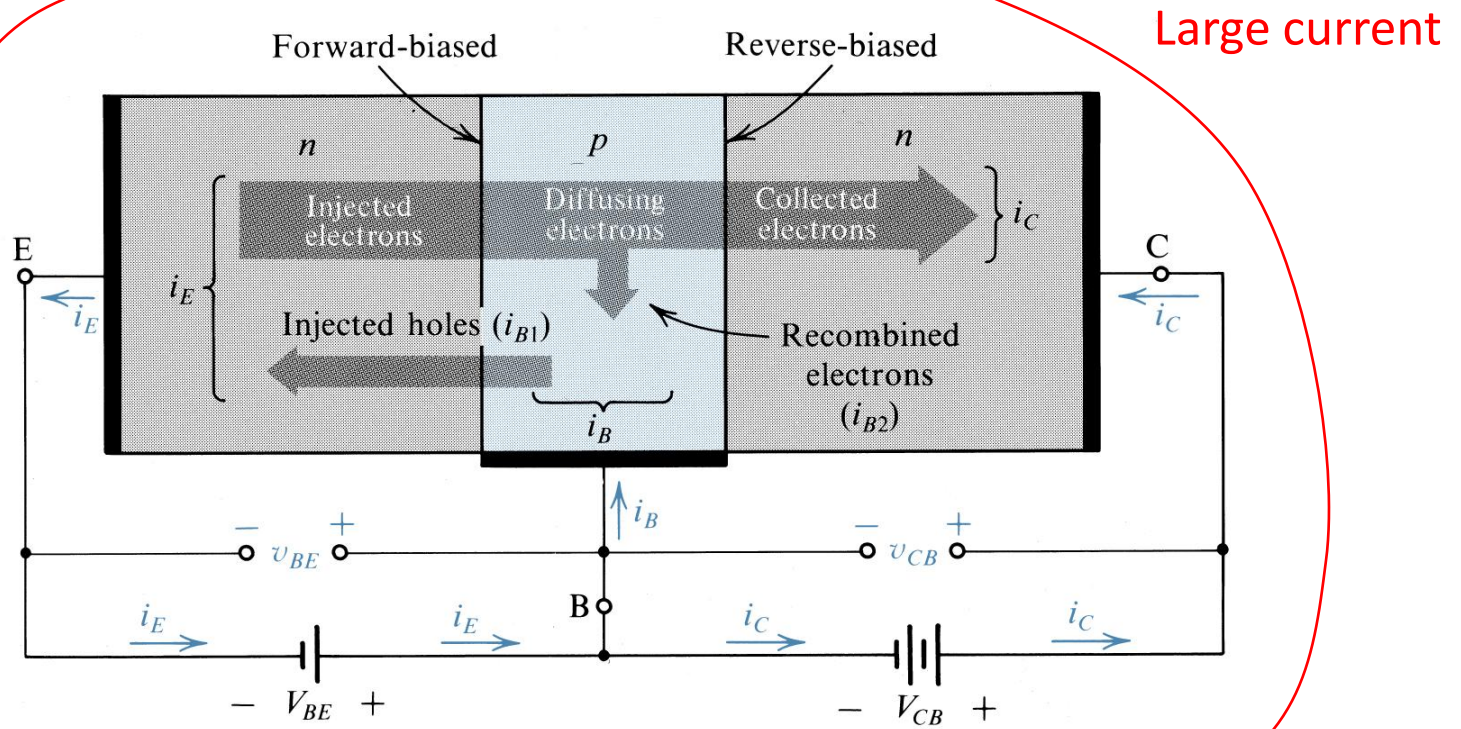
BJT transistors

- Widely used in amplifier circuits
- Formed by junction of 3 materials
- npn or pnp structure

pnp transistor



Operation of npn transistor



Modes of operation of a BJT transistor

<u>Mode</u>	<u>BE junction</u>	<u>BC junction</u>
cutoff	reverse biased	reverse biased
linear(active)	forward biased	reverse biased
saturation	forward biased	forward biased

Summary of npn transistor behavior

