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Ciro	cle the one correct answer for each statement.
1.	For a npn BJT in the active mode, the:
	a) base voltage will be less than the collector voltage but greater than the emitter voltage.
	b) collector voltage will be greater than the emitter voltage but less than the base voltage.
	c) emitter voltage will be greater than the collector voltage but less than the base voltage.
	d) base voltage will be less than the emitter voltage but greater than the collector voltage.
2.	For a pnp BJT in active mode, the current through the collector- base junction:
	a) consists mainly of free electrons flowing from anode to cathode.
	b) consists mainly of free electrons flowing from cathode to anode.
	c) consists mainly of holes flowing from anode to cathode.
	d) consists mainly of holes flowing from cathode to anode.

3.	The collector current for an npn BJT in saturation is:
	a) independent of V_{BE} and V_{CE} .
	b) dependent on both V_{BE} and V_{CE} .
	c) dependent only on V_{BE} .
	d) dependent only on V _{CE} .
4.	For a npn BJT in the active mode:
	a) the collector current is independent of V_{BE}
	b) the base current is independent of V_{BE} .
	c) the emmitter current is independent of V_{BE} .
	d) all three transistor currents are dependent on V_{BE} .
5.	For a pnp BJT in the active mode:
	a) both the emitter-base junction and the collector-base junction are forward biased.
	b) the emitter-base junction is reverse biased and the collector- base junction is forward biased.
	c) the emitter-base junction is forward biased and the collector- base junction is reversed biased.

d) **both** the emitter-base junction and the collector-base junction are **reversed** biased.

- 6. For a **npn** BJT in the **active** mode, the **free electrons** flowing across the base-emitter junction:
 - a) will likely exit the transistor through the collector terminal.
 - b) will likely exit the transistor through the base terminal.
 - c) will exit the transistor through both the **base** and **collector** terminals in equal amounts.
 - d) will likely exit the transistor through the emitter terminal.