1/2

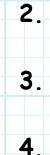
5.1 BJT Device Structure

and Physical Operation

Reading Assignment: pp. 377-392

Another kind of transistor is the **Bipolar Junction Transistor** (BJT).

BJTs are **analogous** to MOSFETs in many ways:



1.

The two types of BJTs are *npn* and *pnp* (**analogous** to NMOS and PMOS).

A BJT is a "Silicon sandwich" -one type of Si sandwiched between two layers of the other.

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HO: The npn BJT in the Active Operating Region

HO: The npn BJT in the Saturation

HO: The npn BJT in the Cutoff