

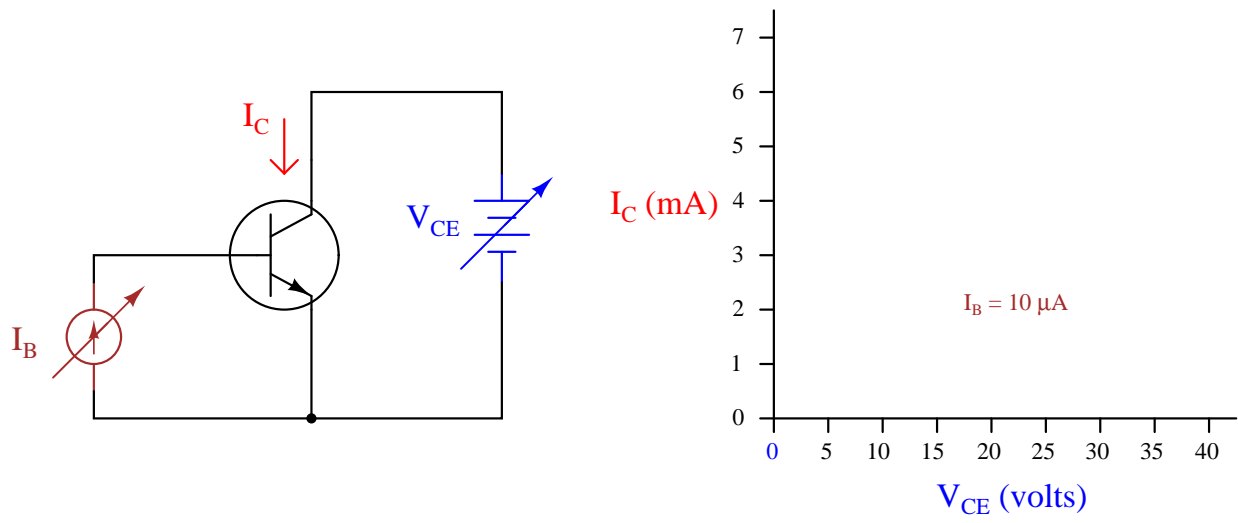
Questions

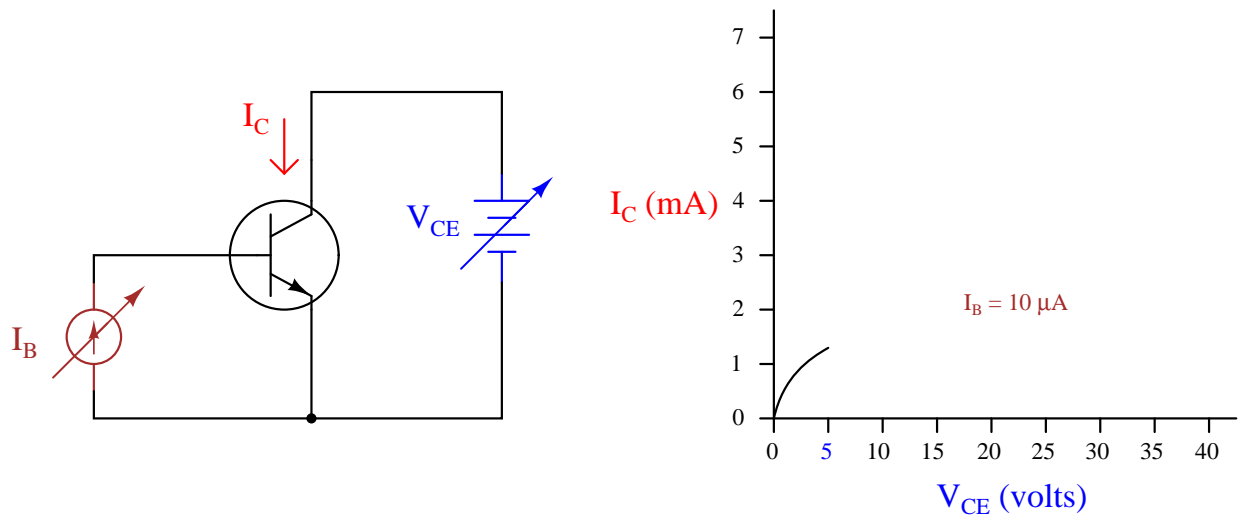
Question 1

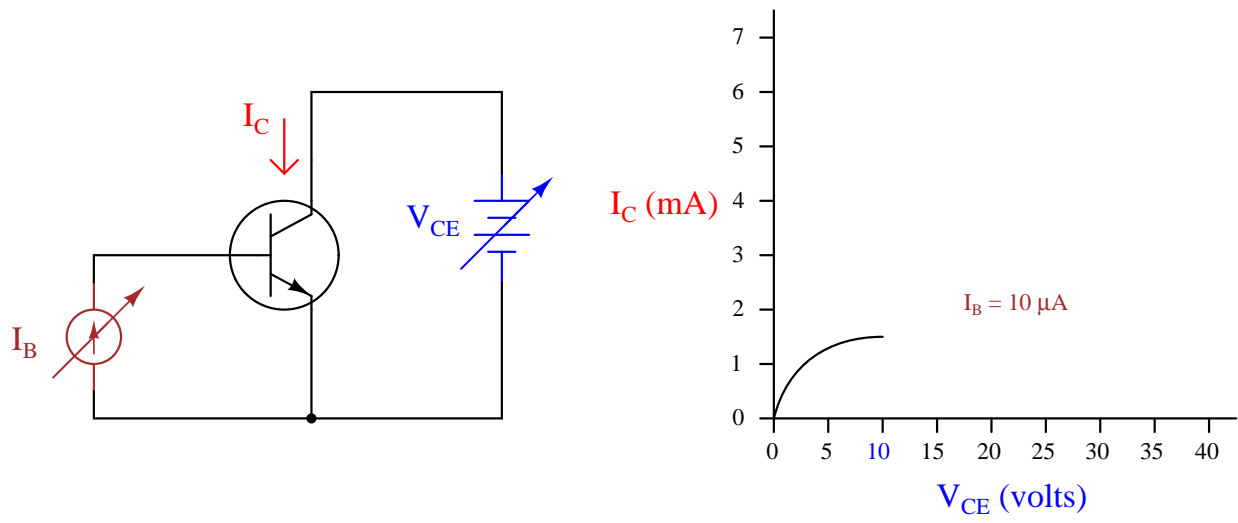
Animation: sketching characteristic curves for a transistor

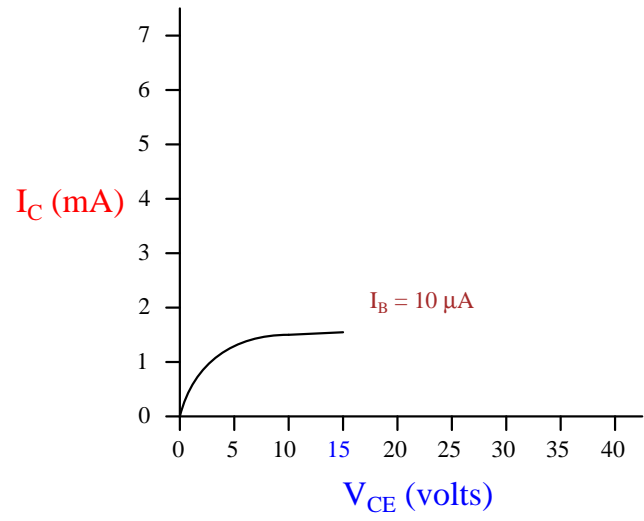
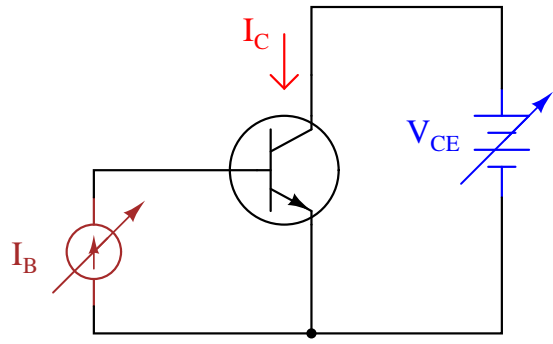
This question consists of a series of images (one per page) that form an animation. Flip the pages with your fingers to view this animation (or click on the "next" button on your viewer) frame-by-frame.

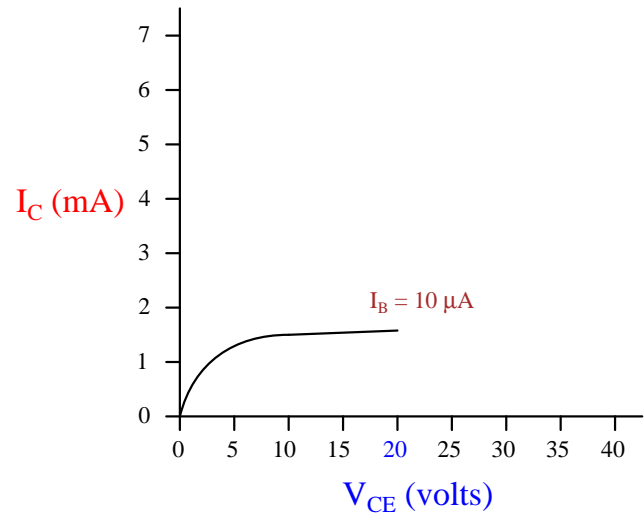
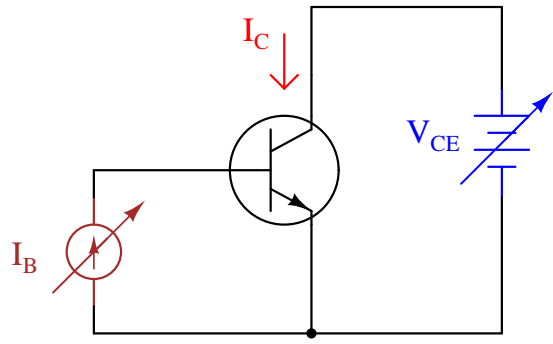
The following animation shows how a family of characteristic curves are sketched for a bipolar junction transistor. Pay close attention to what parameters are varied as each curve is sketched.

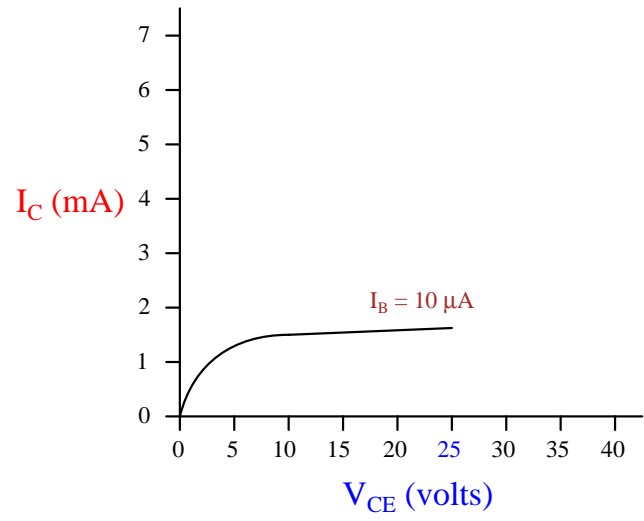
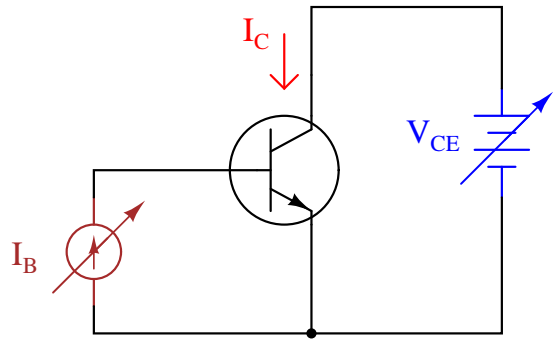


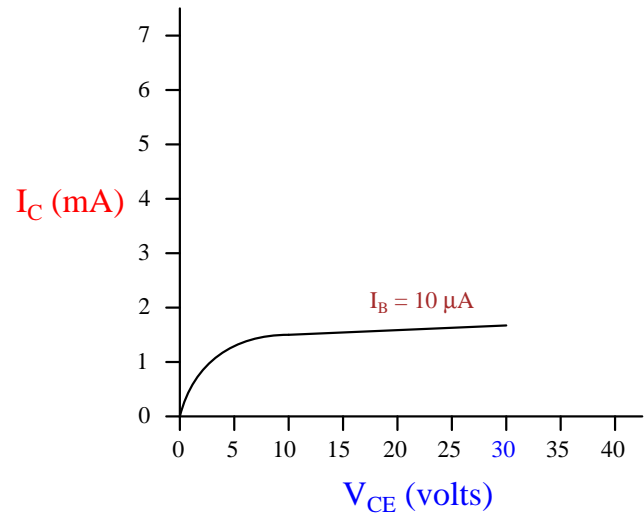
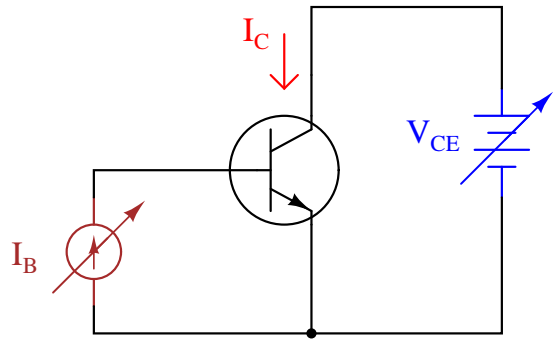


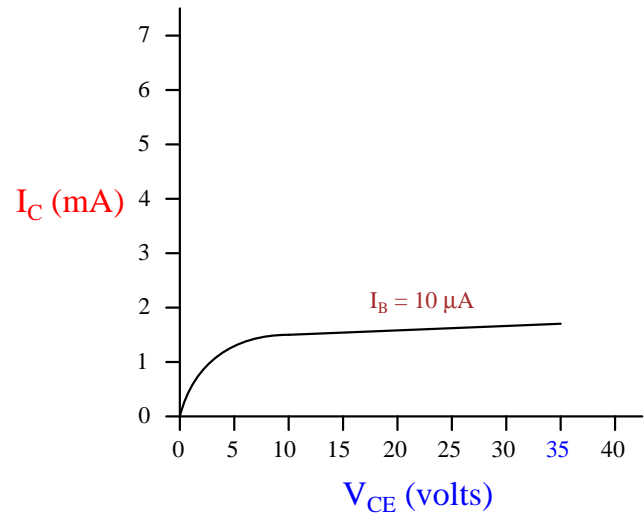
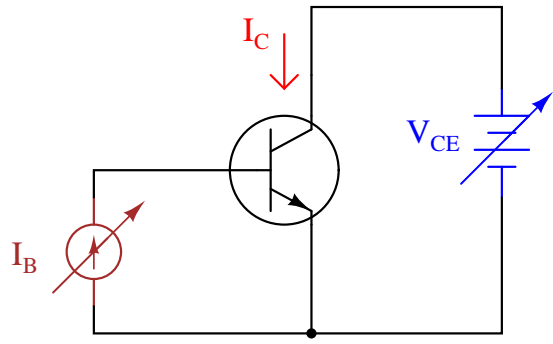


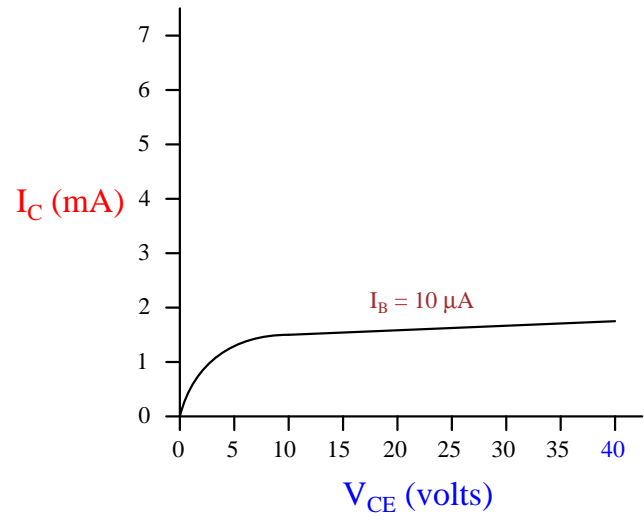
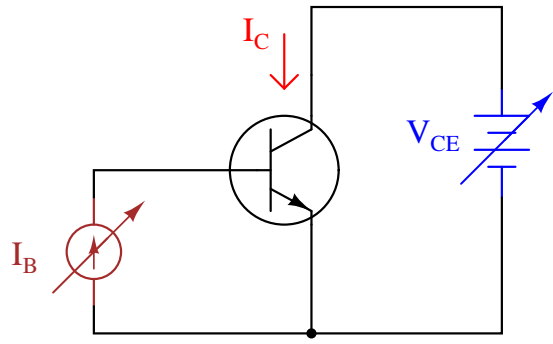


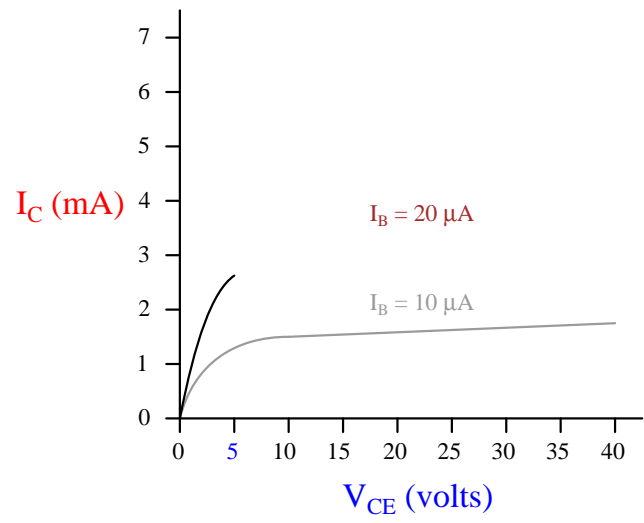
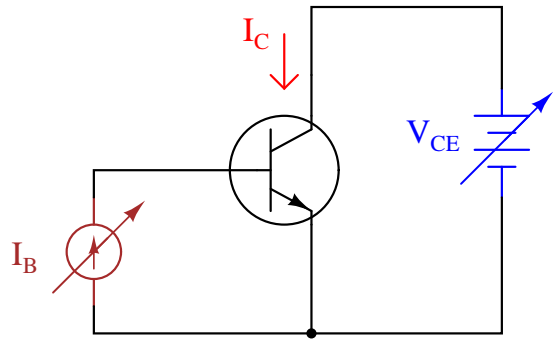


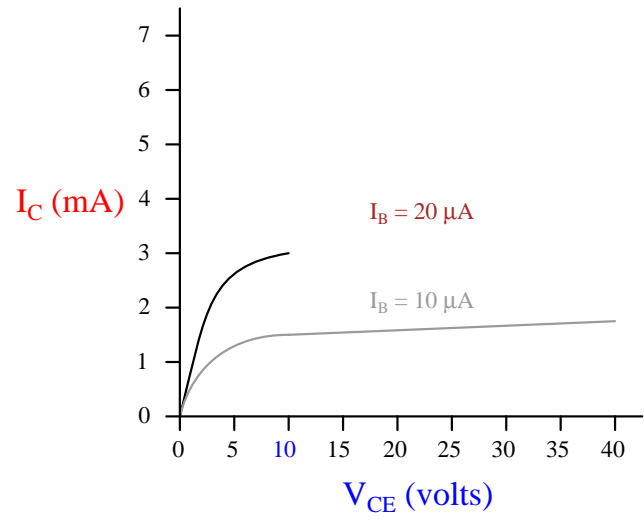
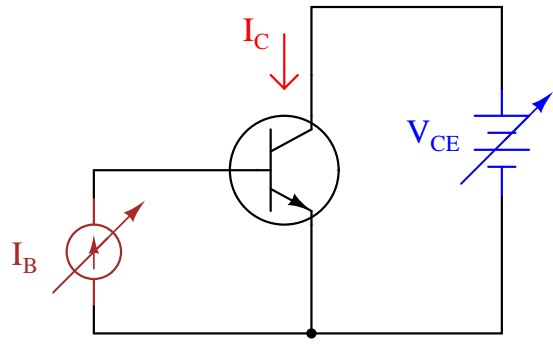


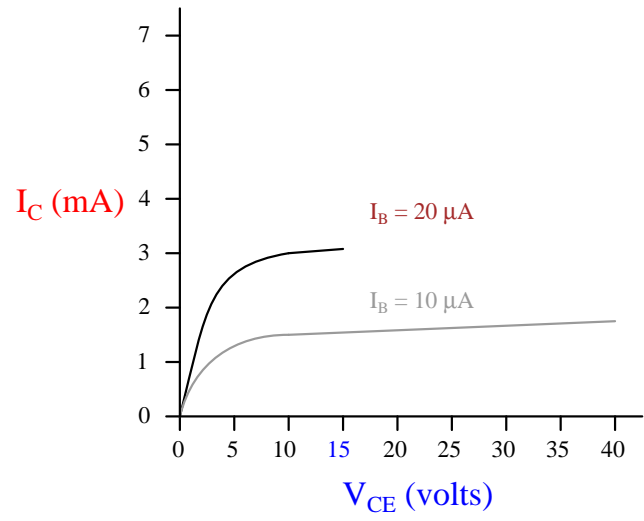
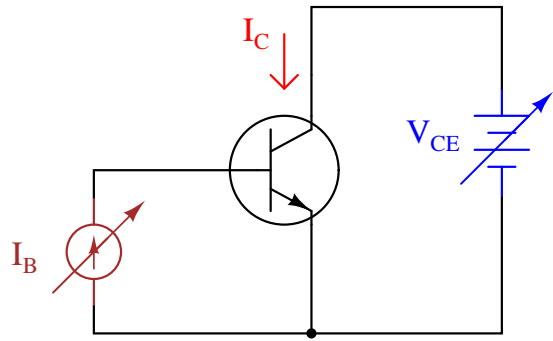


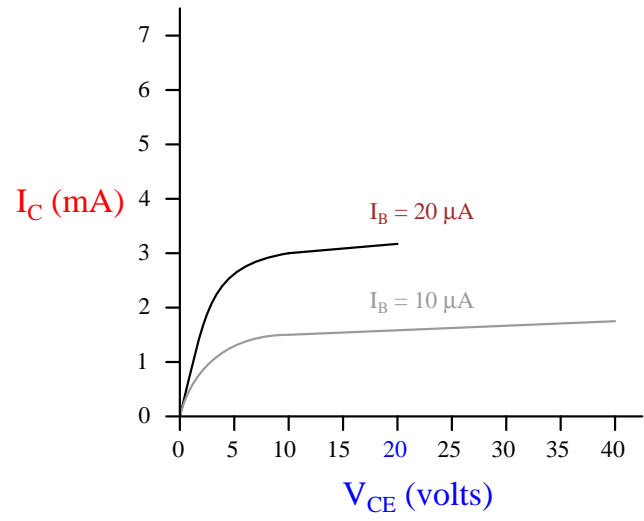
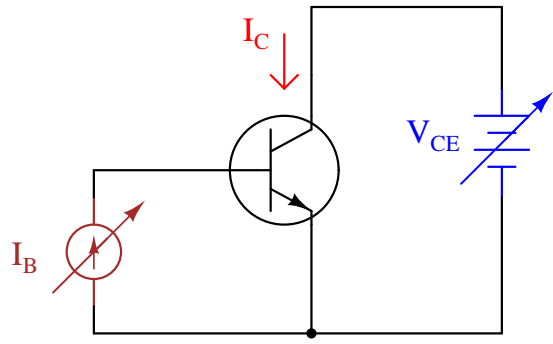


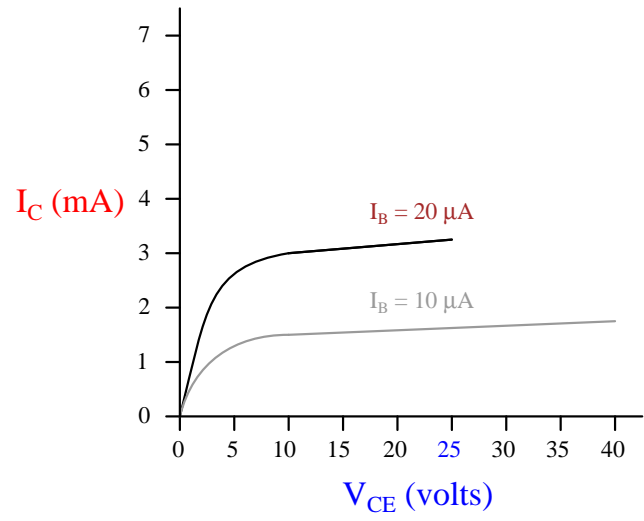
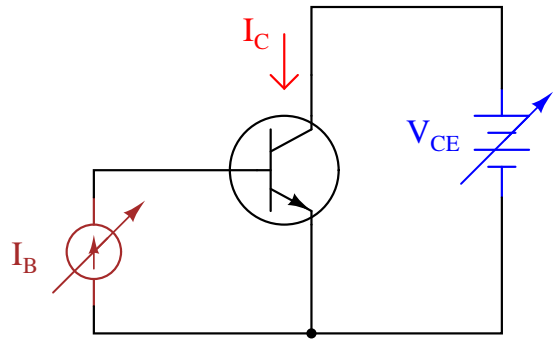


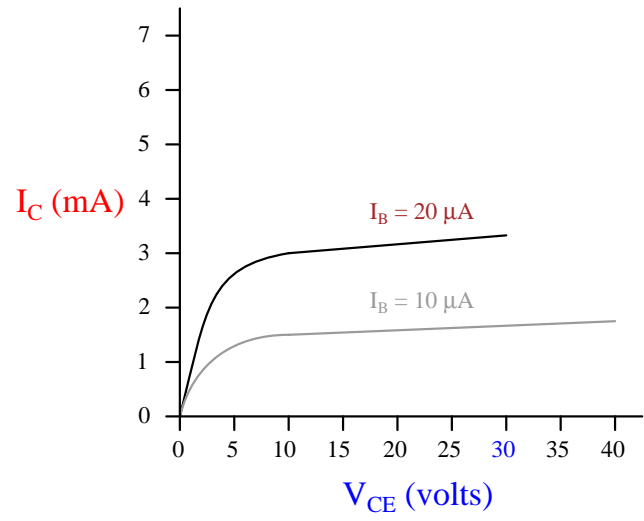
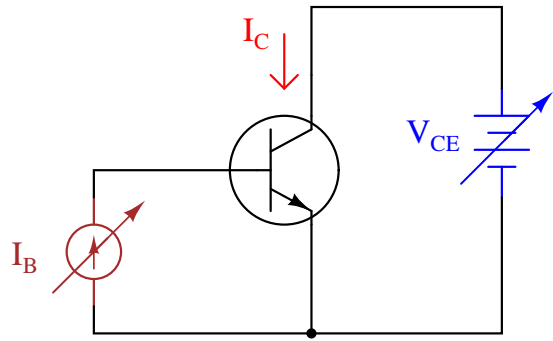


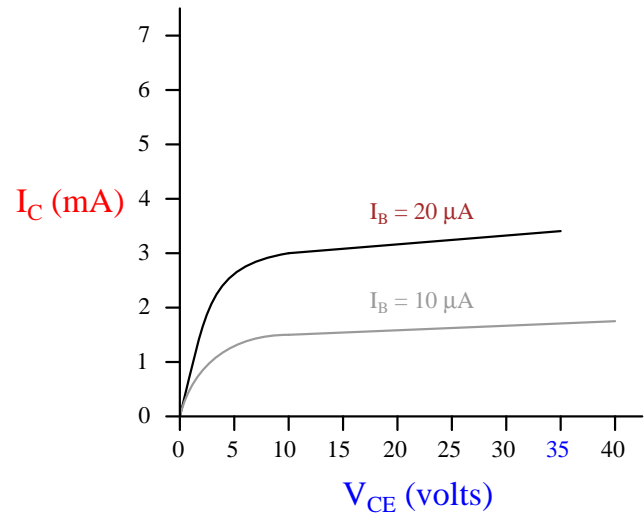
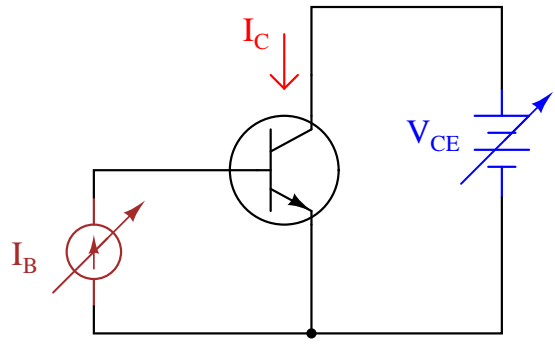


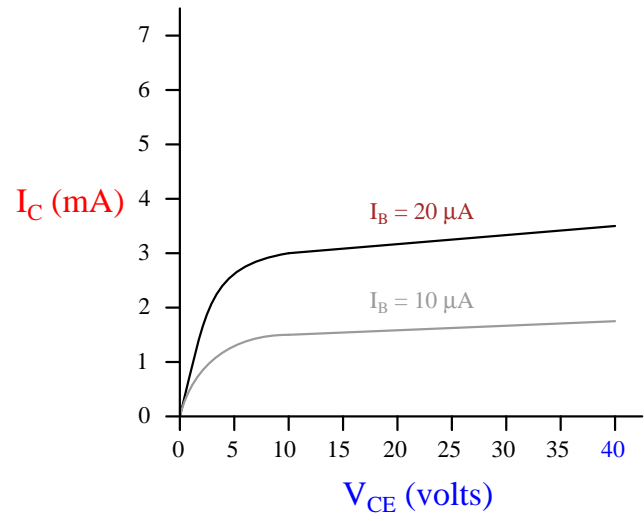
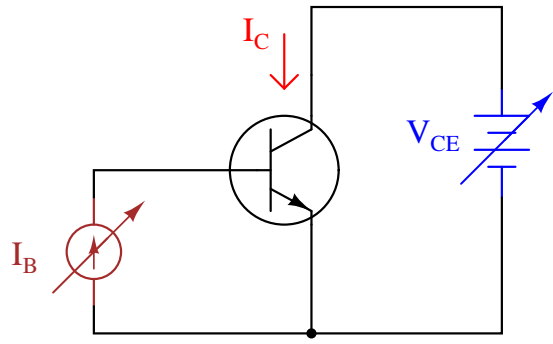


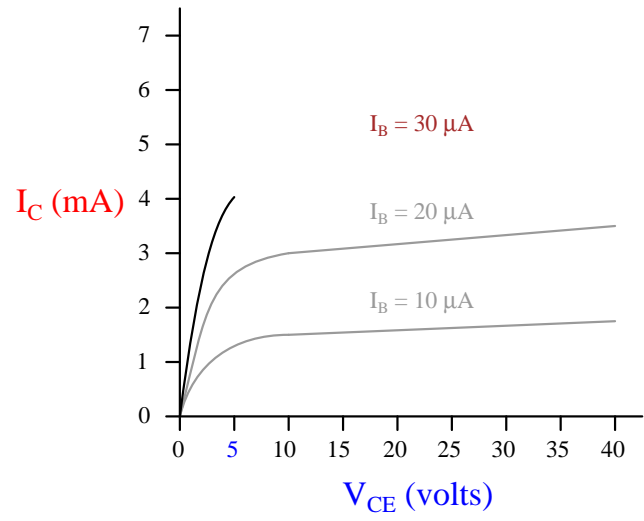
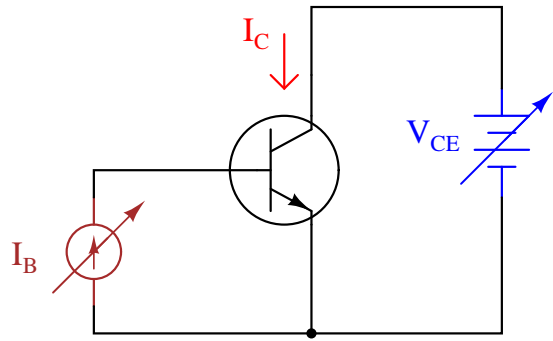


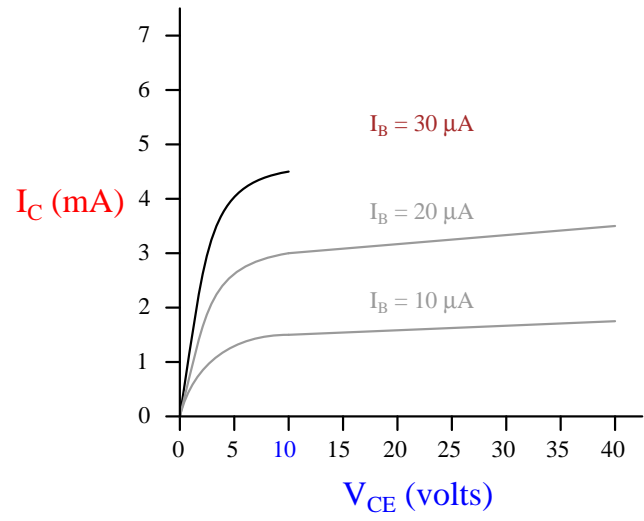
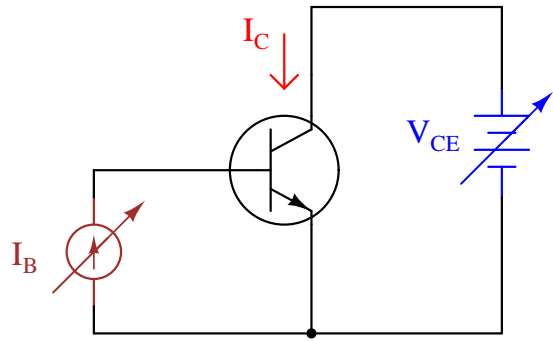


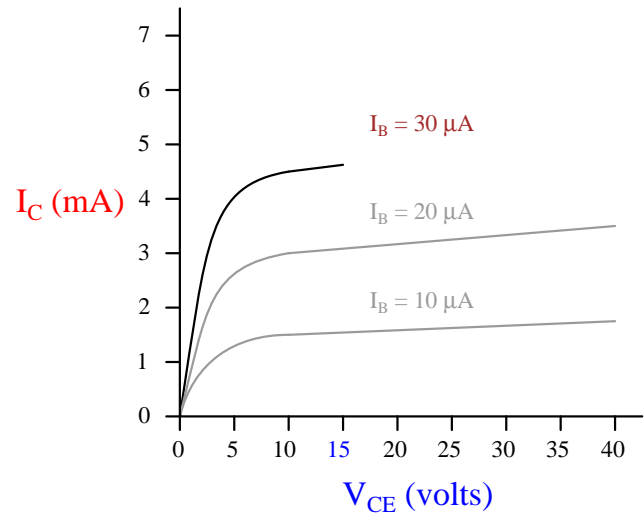
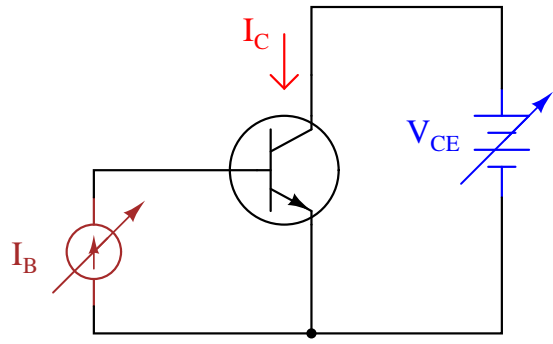


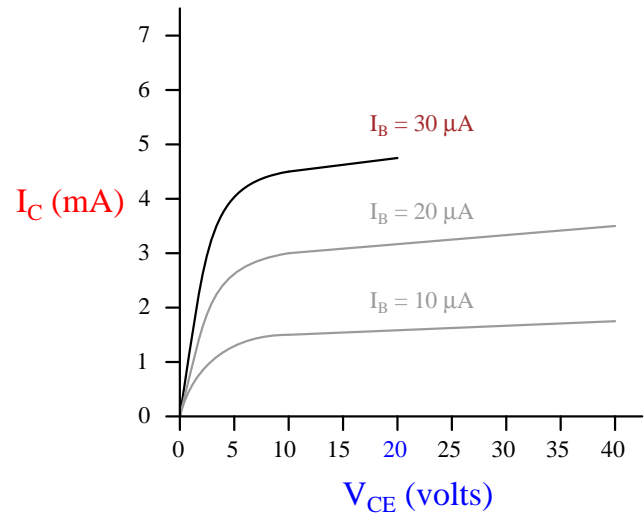
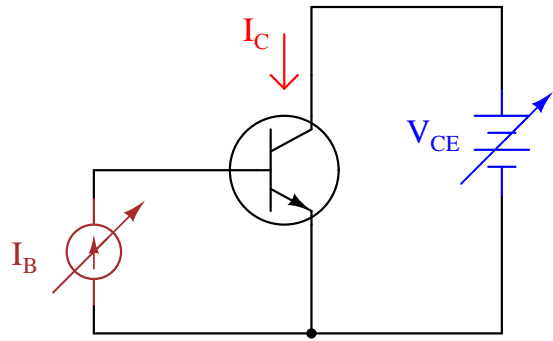


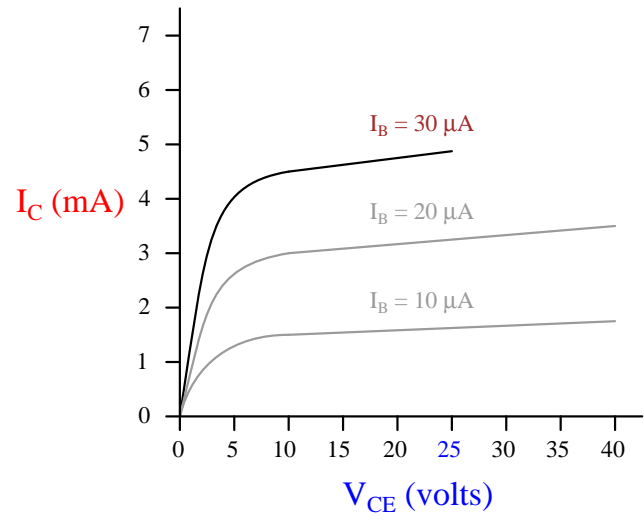
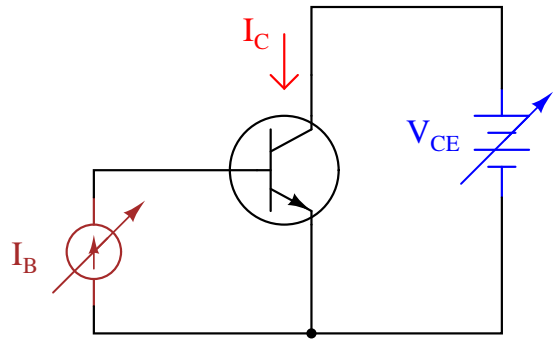


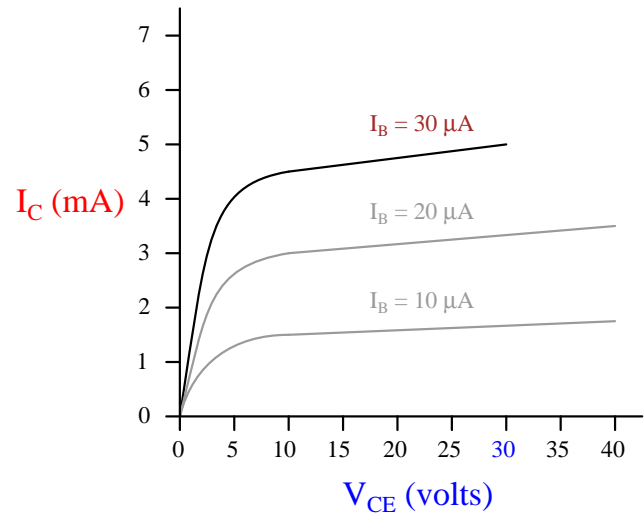
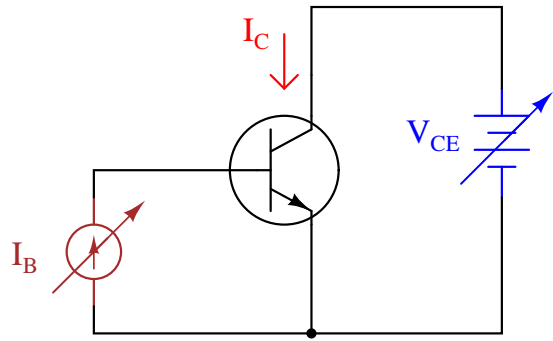


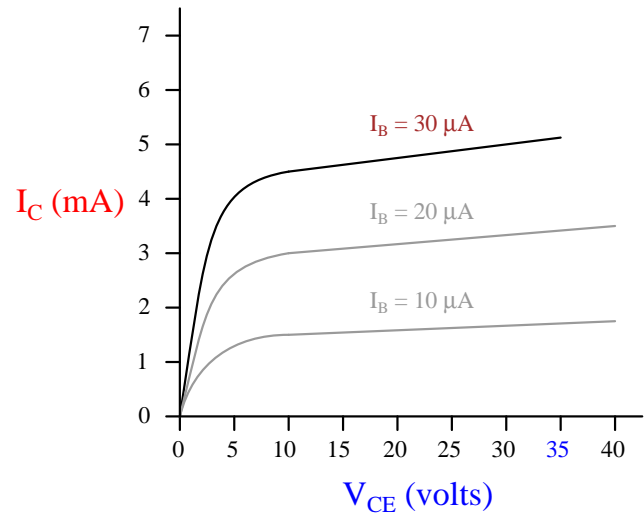
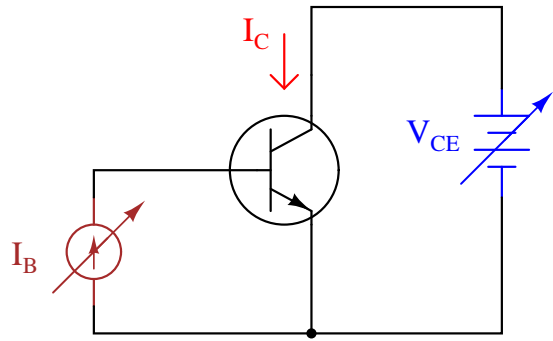


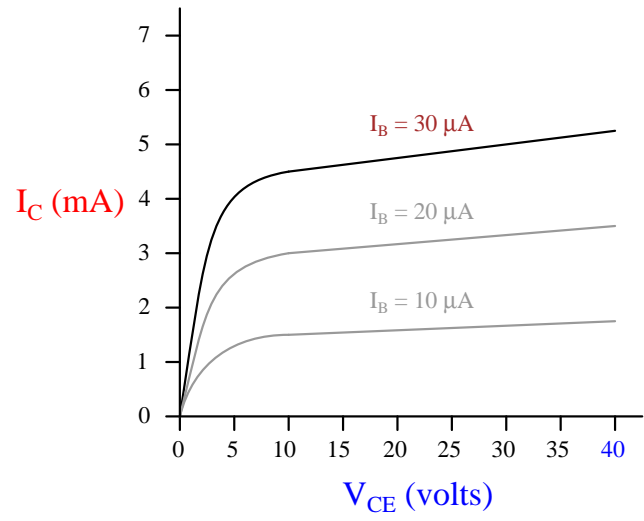
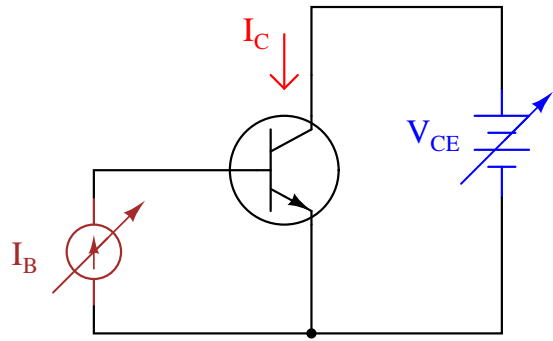


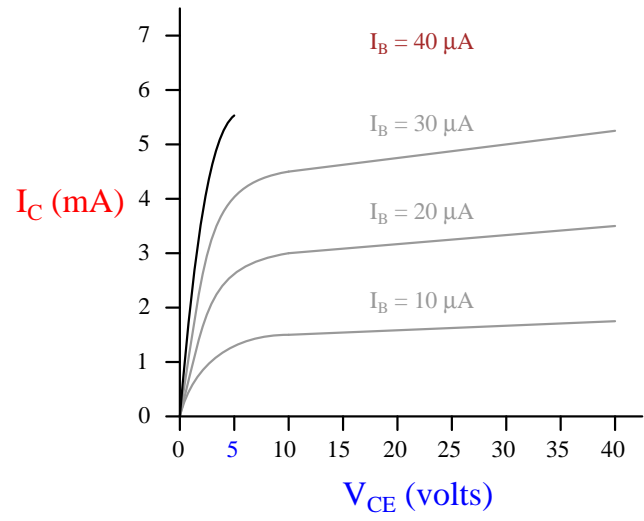
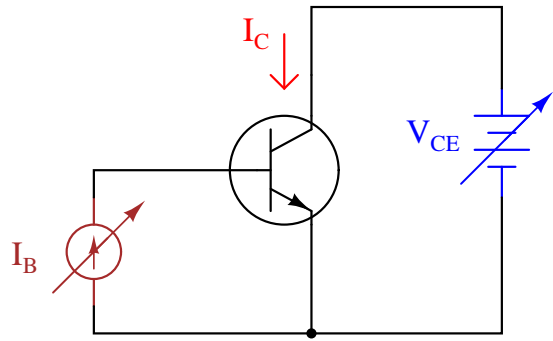


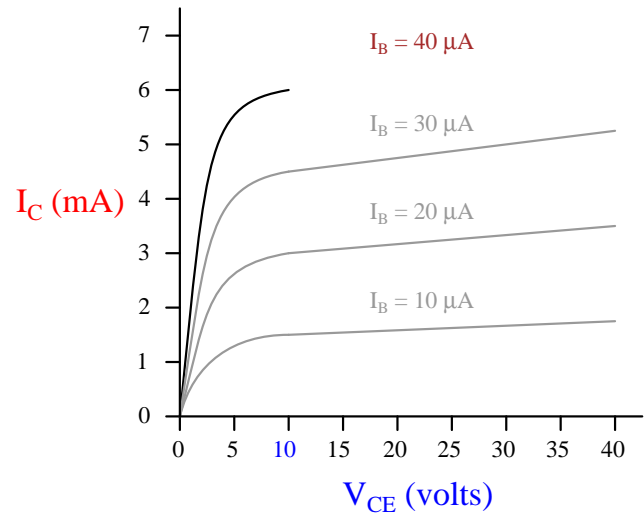
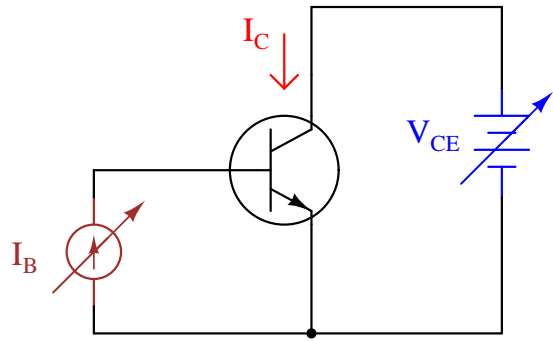


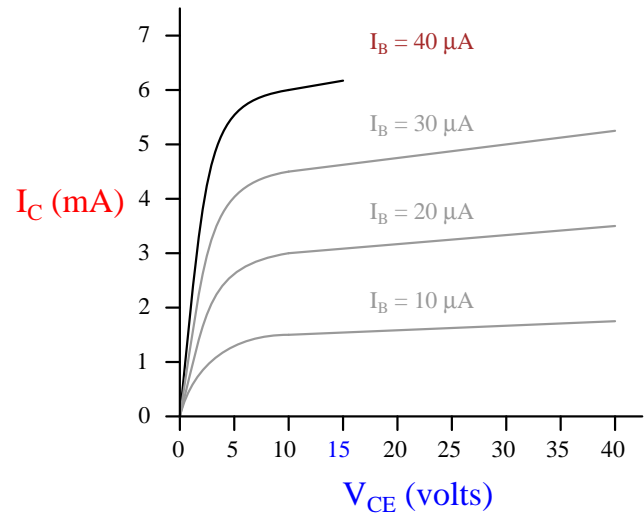
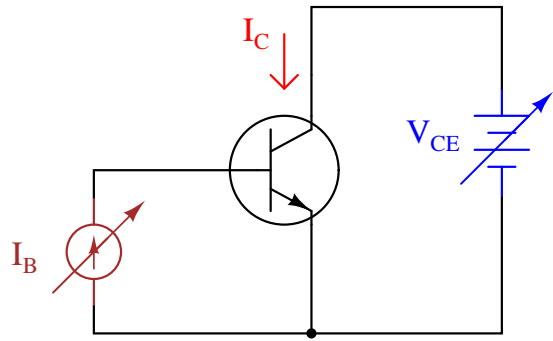


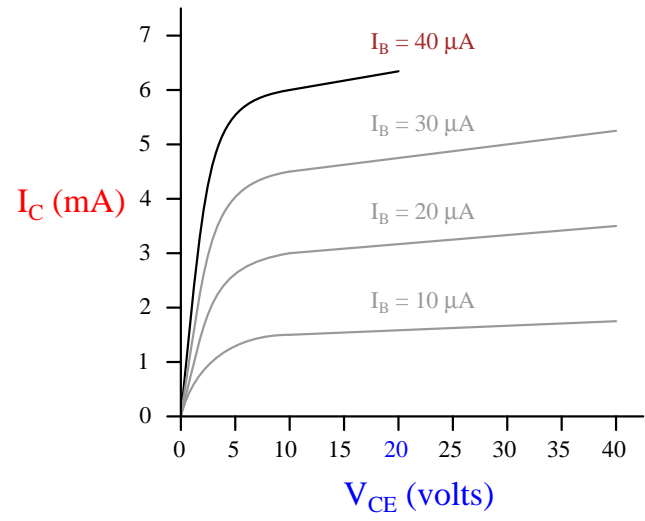
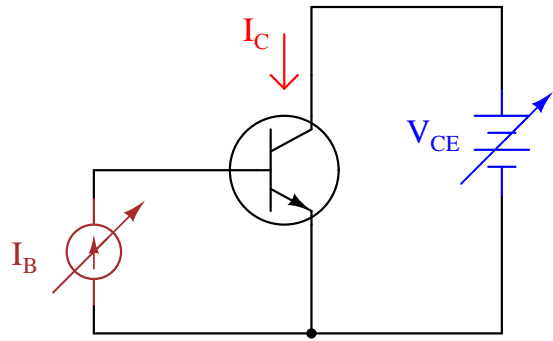


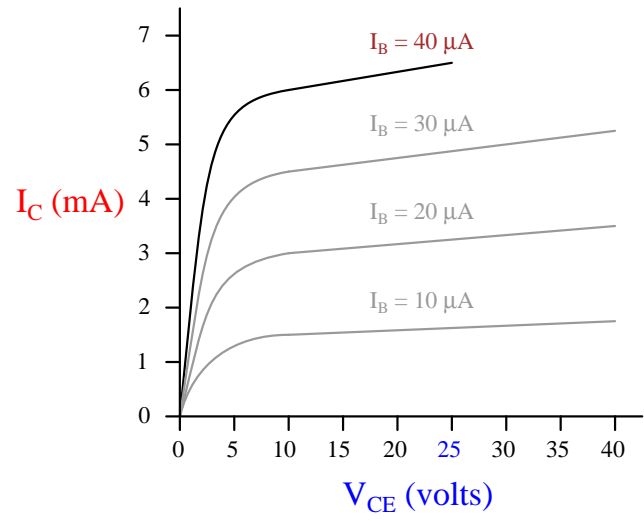
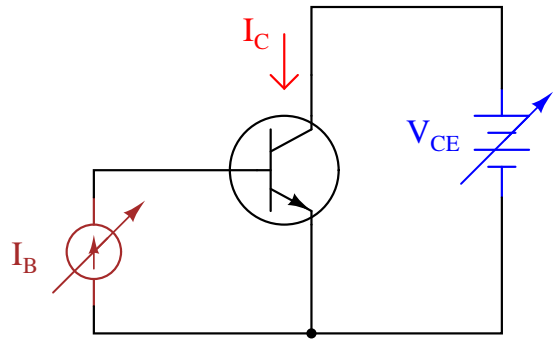


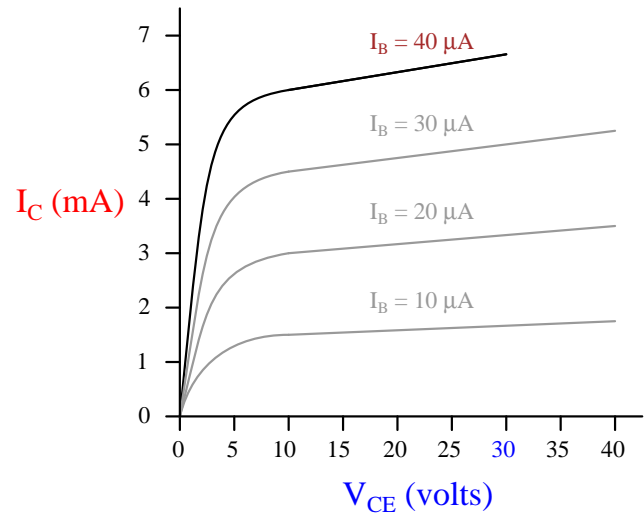
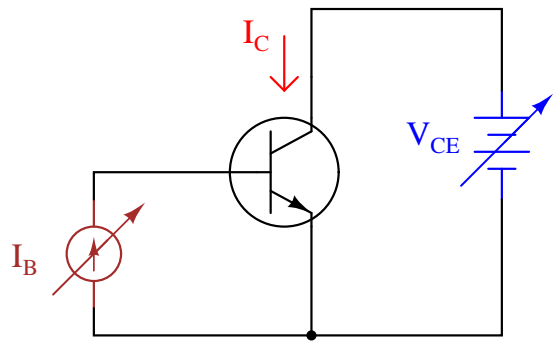


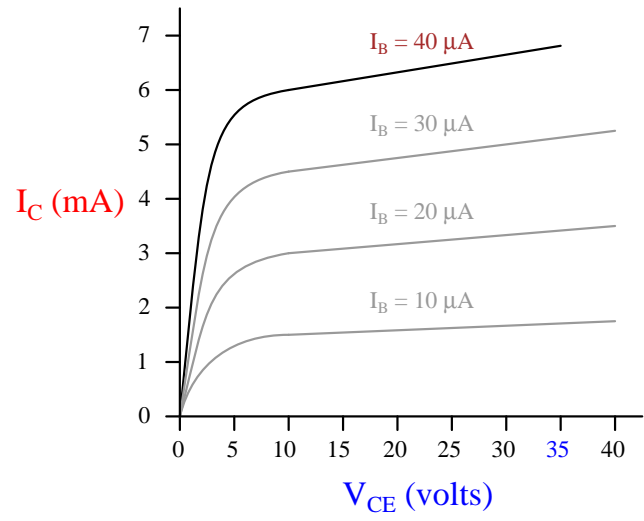
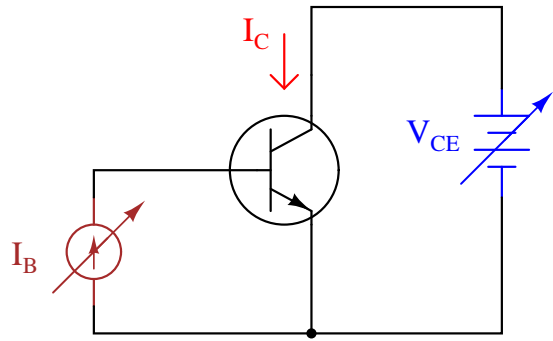


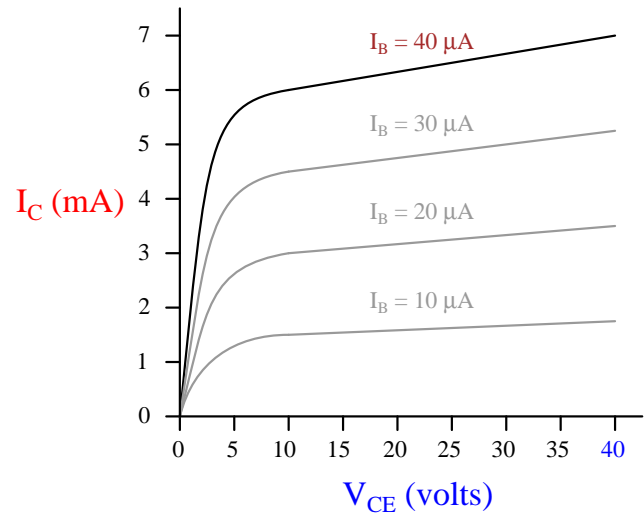
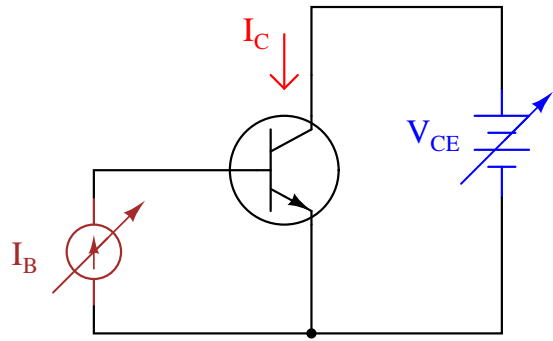


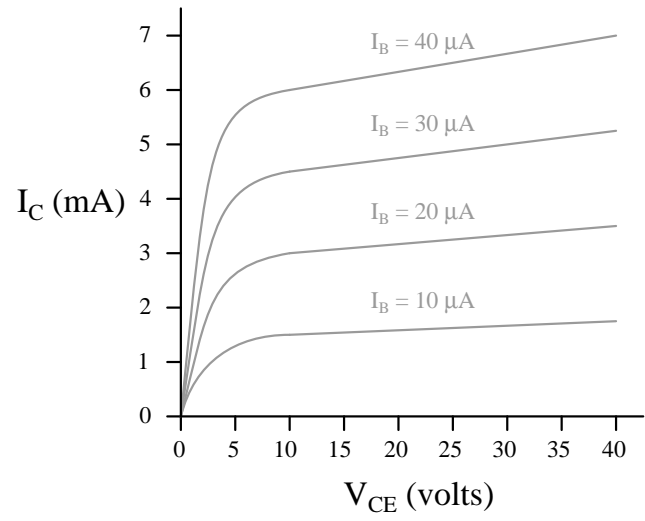
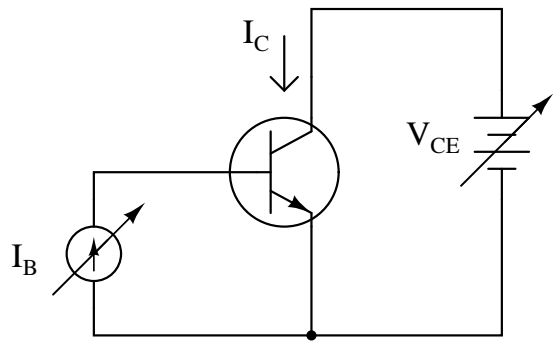












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Answer 1

Nothing to note here.

Notes 1

The purpose of this animation is to let students study the generation of characteristic curves and reach their own conclusions. Similar to experimentation in the lab, except that here all the data collection is done visually rather than through the use of test equipment, and the students are able to "see" things that are invisible in real life.