EECS 143 Microfabrication Technology	Department of Electrical Engineering and Computer Sciences University of California, Berkeley **Week #11 Quiz--Characterization**

Name _____ Section _____ Date _____

(1) What is Metrics and what is it used for?

(2) What is a HP-4145 and what can it measure?

(3) How many terminals will be connected to the diodes, capacitors, MOSFETs? What are these terminals for the MOSFET (i.e. the common names)?

(4) What will we use to measure C-V? Is this tool available at all probe stations?

(5) How many circuits (not devices) are there on your test chip? What are they?

(6) How can we sometimes measure a two terminal device with only one probe tip? (hint: these are often vertical devices)

(7) Give a brief description of a wafer probe station with schematic diagram.