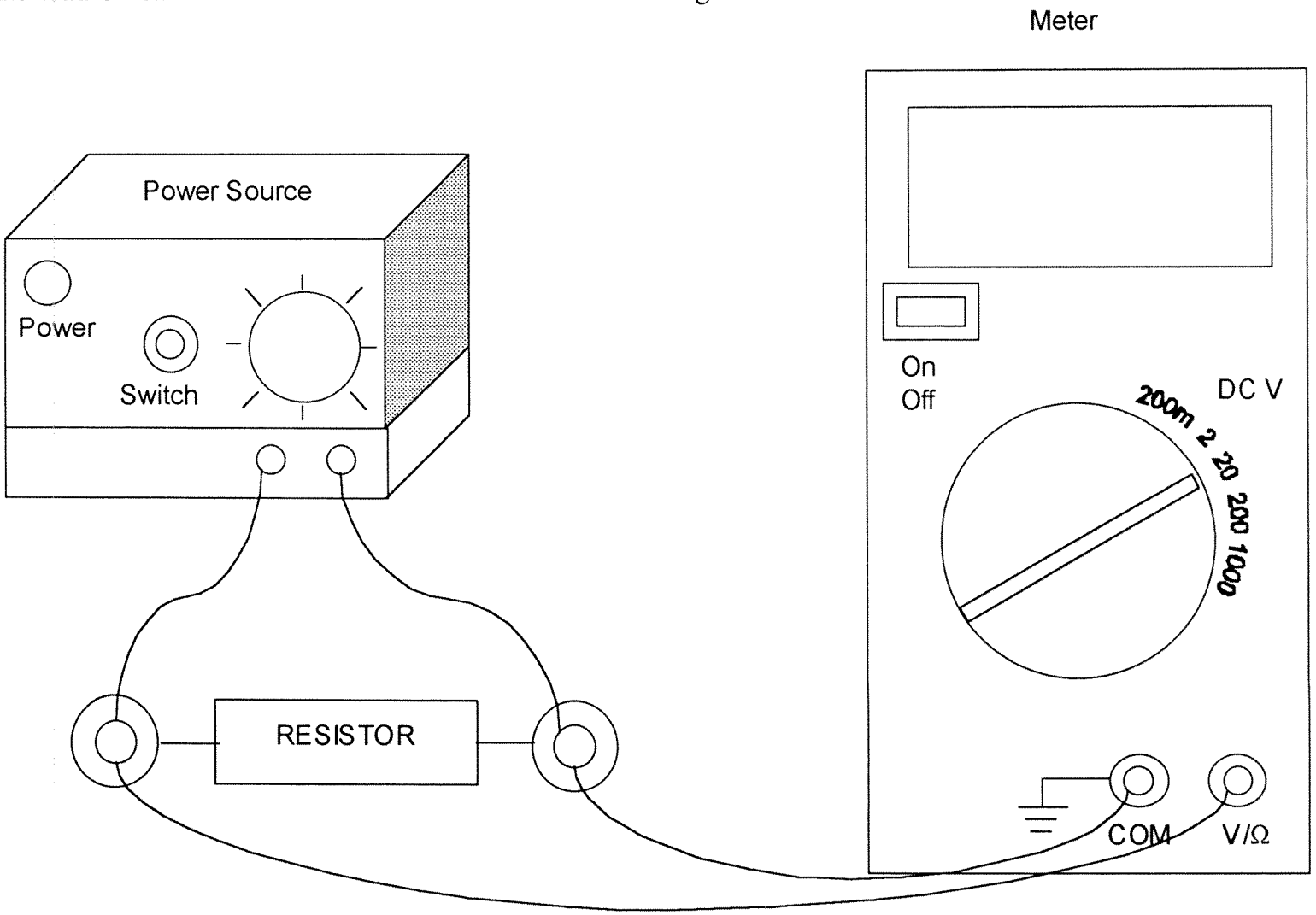
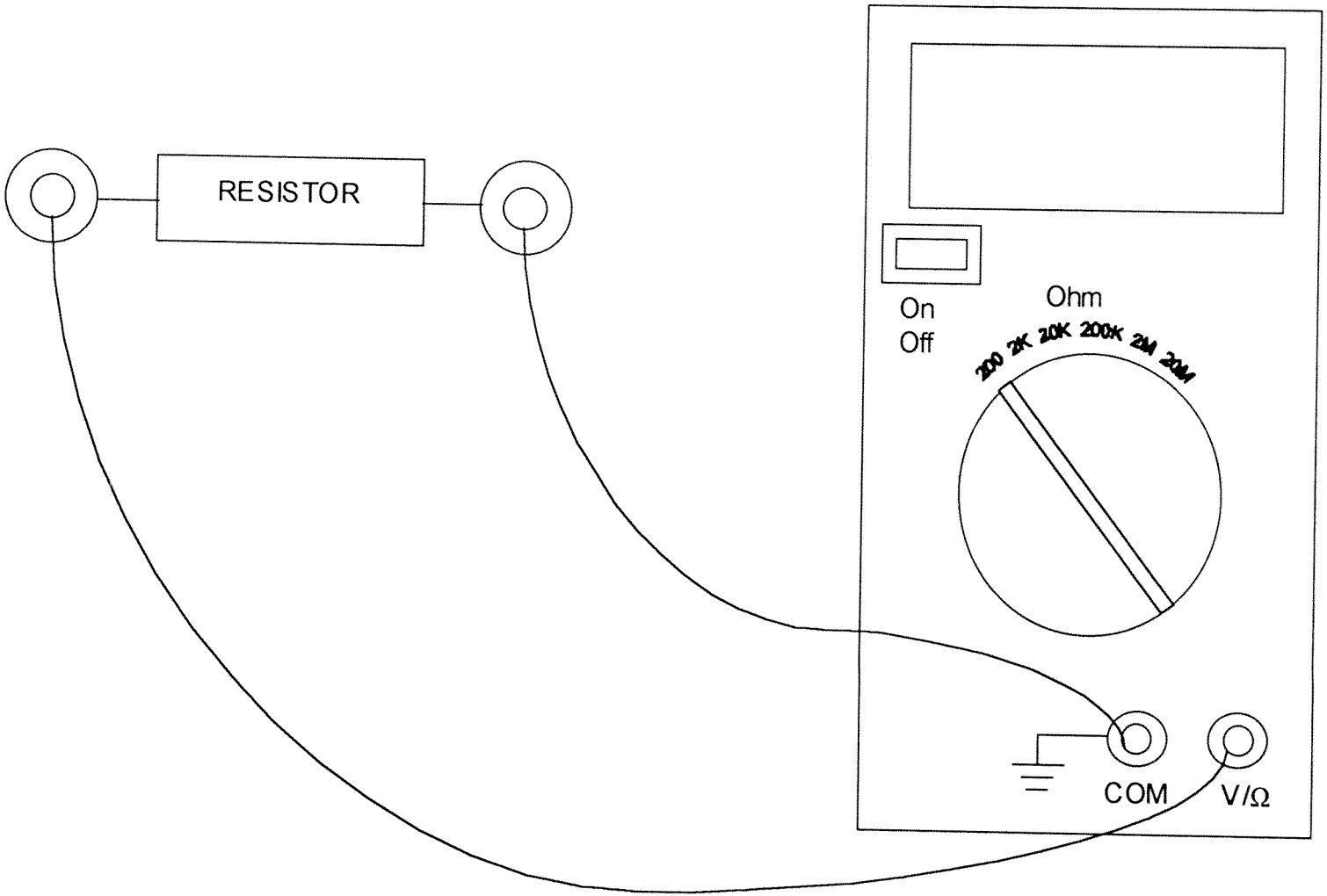
TO MEASURE VOLTAGE

1) To measure Voltage you need to setup a circuit with a Power Source, Wires and Resistor.
2) DO NOT TURN ON THE POWER SOURCE UNTIL TOLD BY THE TEACHER TO DO SO!!
3) For our use turn the knob on the meter to point to 20 DC V.
4) Connect the Red Lead to the V/Ω hole and the Black Lead to the COM (Ground) hole.
5) WHEN TOLD TO DO SO – Turn the power source to 3 V and then turn it on.
6) Place one lead on each side of the resistor to measure its voltage.



TO MEASURE RESISTANCE

1) To measure resistance take the Resistor OUT of the circuit (no wires should be attached)
2) For our use turn the knob on the Meter to point to 200 Ohm (Ω)
3) Connect the Red Lead to the V/ Ω hole and the Black Lead to the COM (Ground) hole.
4) Place one lead on each side of the resistor to measure its resistance.



TO MEASURE CURRENT

1) To measure Current you need to setup a circuit with a Power Source, Wires and Resistor.
2) DO NOT TURN ON THE POWER SOURCE UNTIL TOLD BY THE TEACHER TO DO SO!!
3) The Meter MUST be Connected "In Series" in the circuit. Current is measured THROUGH the circuit.
4) Connect the Black Lead to the COM (Ground) hole on the meter and the other end to one side of the resistor.
5) Connect one end of the red lead to the Power Source and leave the other end disconnected.
5) WHEN TOLD TO DO SO – Turn the power source to 3 V and then turn it on.
6) On the Meter CAREFULLY touch the end of the wire to the Highest Range on the Meter. If the meter is reading less than half of its range value CAREFULLY move the wire to the next lower range. Do this until the needle is above the halfway point and read the value.