

Match the letters with the names for the various parts of the multimeter!



1. ____ Display
2. ____ AC Voltage Range
3. ____ Probes
4. ____ Volts, Resistance, Current Port
5. ____ DC Current Ranges
6. ____ Range Selection Dial
7. ____ 10 Amps Port
8. ____ Common Port
9. ____ "Off" Position
10. ____ DC Voltage Range
11. ____ Resistance Range
12. ____ Socket for Testing Transistors
13. ____ Diode and Continuity Test
14. ____ Square Wave Generator
15. ____ Transistor Test





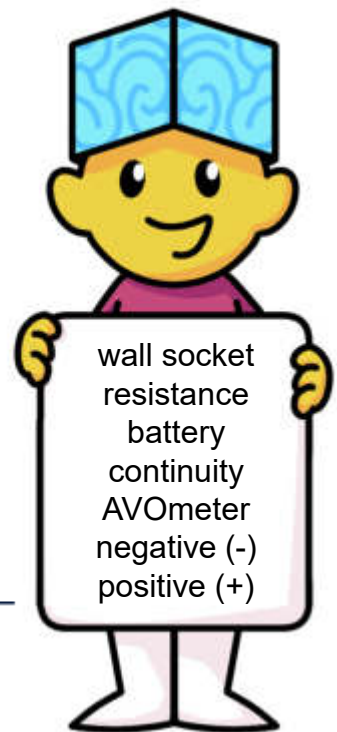
Write the letter “F” if the statement is False
and the letter “T” if the statement is true!



1. _____ The multimeter is capable of measuring various electrical properties.
2. _____ When measuring Direct Current Voltage, the black probe is connected to the VΩmA (+) port and the red probe is connected to the COM (-) port.
3. _____ The modern multimeter was invented by Donald Macadie. and it was called the AVOMeter.
4. _____ While not all multimeters look the same, they share similar parts and functionality.
5. _____ The probes for your multimeter come in three colors: red, black, and yellow.
6. _____ Digital multimeters are commonly referred to as DMMs.
7. _____ There are two types of multimeters, digital and analog.
8. _____ The multimeter can measure Direct Current Voltage, but not Alternating Current Voltage.

Choose the best word from the word bank to
complete the following sentences!

1. The earliest model of a multimeter was called a _____
because it measured amperes, voltage, and ohms.
2. When measuring the voltage of a battery, place the red lead from the multimeter
to the _____ terminal of the battery and the black lead from the
multimeter to the _____ terminal of the battery.
3. When the pointer on the dial of the multimeter is in this area with the Ω symbol
_____ can be measured.
4. When the pointer on the dial of the multimeter is in this area with the  and 
symbols _____ can be measured.
5. An example of a DC Voltage source is _____ while
an example of an AC Voltage source is _____.



Answer the following questions about the use of a multimeter!



Explain how you might use a multimeter to determine the polarity of a battery?

How would you determine the correct *range value* when measuring an electrical property of a component, like a resistor?

