ΩhmCΩmfΩrts

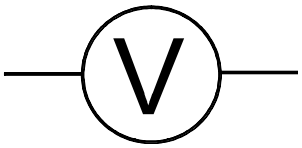
TESTING YOUR METER SKILLS

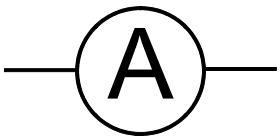
COLLECT A QUIZ BOARD & PEN

OK Students lets see how much you know.

1) Name that meter

a) 

b) 

c) 

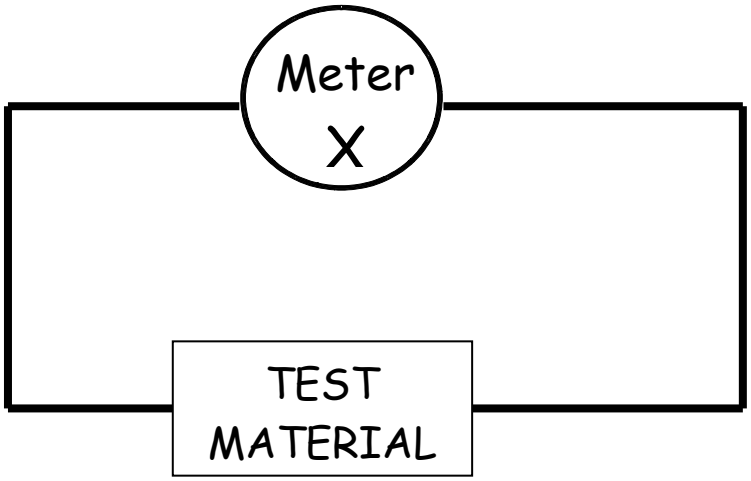
2) Which terminal is always used on a meter?

3) Which meter mustn't be plugged in with a power supply?

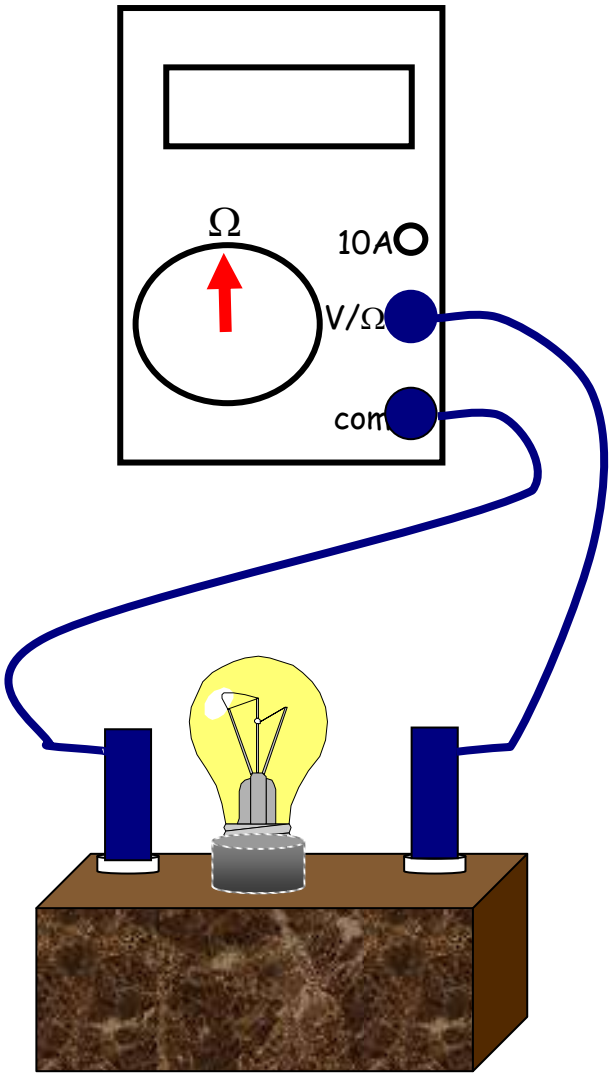
4) Which meter goes in parallel?

5) Which meter goes in series?

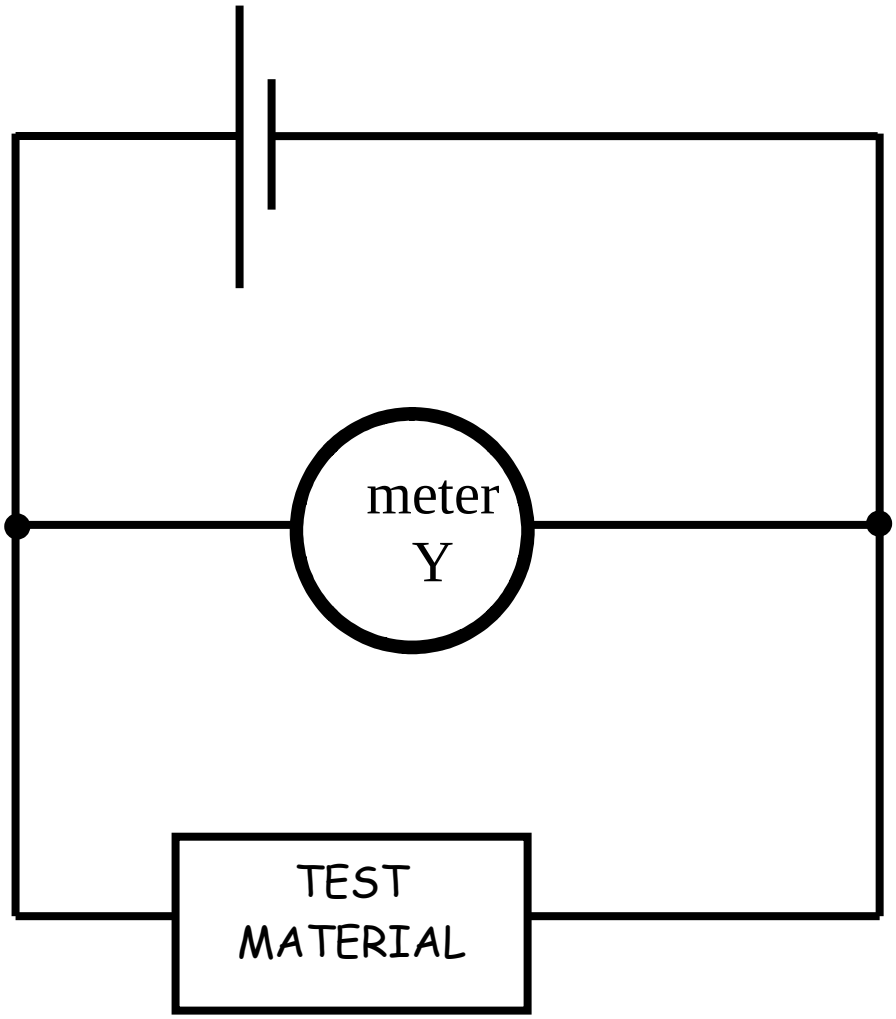
6) Name meter X



7) What is this circuit being used to find?



8) Name meter Y



ΩhmCΩmfΩrts

TASK

Each group needs to complete at least 2 of the following tasks

1. Measure the current at 5 places in a series circuit containing 2 cells, 3 bulbs and a switch Draw the circuit diagram and record your findings.
2. Measure the current at 5 places in a parallel circuit containing 2 cells, 3 bulbs and a switch Draw the circuit diagram and record your findings.
3. Measure how the resistance changes with the length of a wire. Record your findings
4. Measure the voltage across 5 places in a series circuit containing 2 cells, 3 bulbs and a switch Draw the circuit diagram and record your findings.
5. Measure the voltage across 5 places in a parallel circuit containing 2 cells, 3 bulbs and a switch Draw the circuit diagram and record your findings.

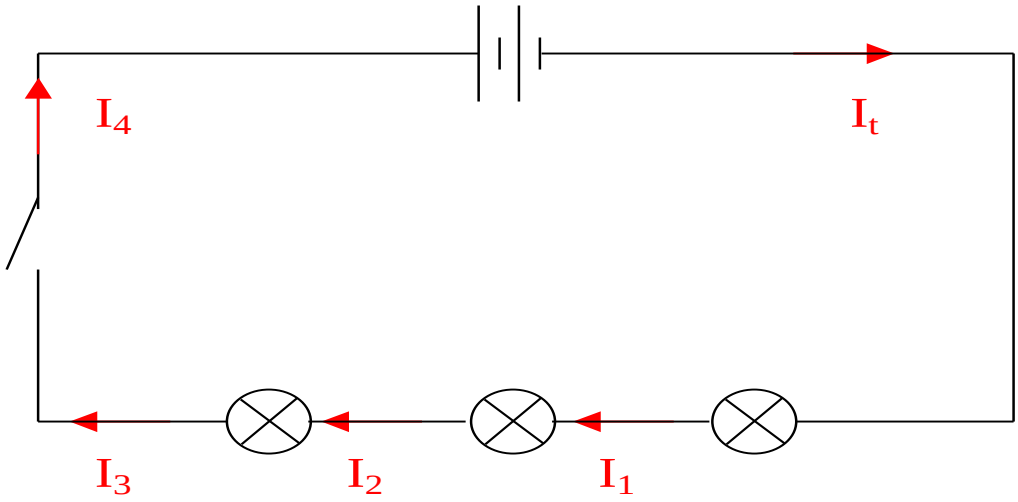
Ωhm CΩmfΩrts

6. (Extension Measure the how the resistance changes when light bulbs are added in series and parallel)

HELPFUL HINTS

length (cm)	Resistance (Ω)
10	
20	
30	
40	
50	

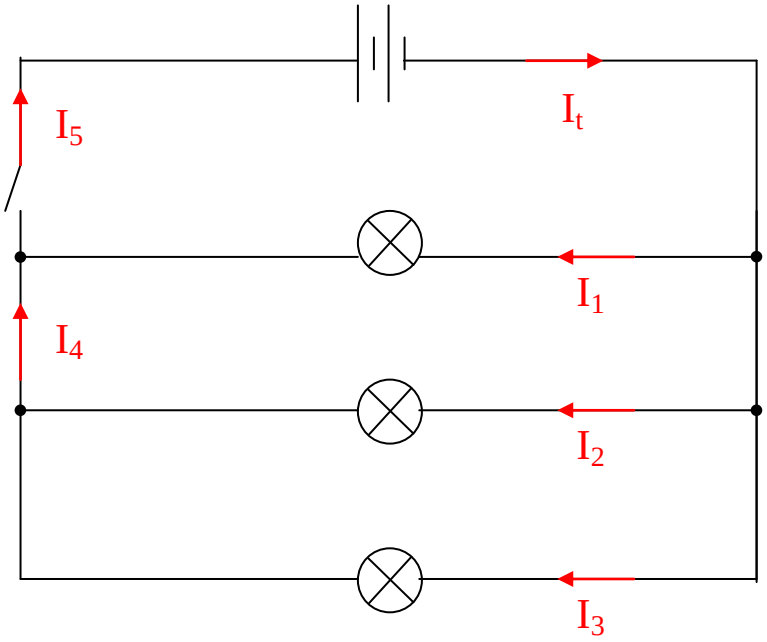
Ωhm CΩmfΩrts



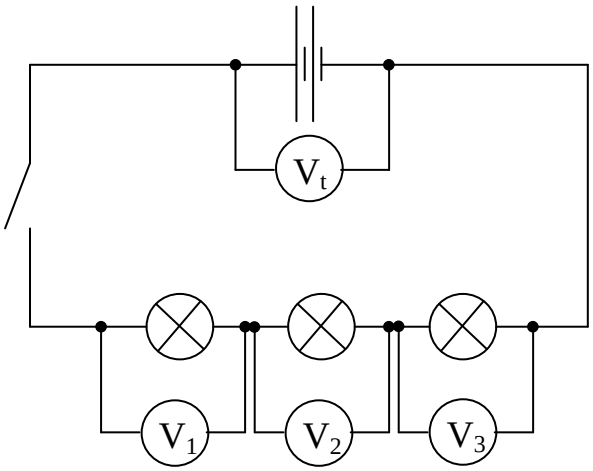
Position	Current (A)
I_t	
I_1	
I_2	
I_3	
I_4	

Ohm COmfOrts

Position	Current (A)
I_t	
I_1	
I_2	
I_3	
I_4 (I_1+I_2)	
I_5	



Position	VOLTAGE (V)
V_s	
V_1	
V_2	
V_3	



Position	VOLTAGE (V)
V_s	
V_1	
V_2	
V_3