



Year 6 - Energy and Electrical Circuits

STUDENT WORKSHEET

WORKSTATION #1

Question 1a) Describe the brightness of the bulbs for each circuit when the switches are both turned 'ON'.

Question 1b) Why does one lamp stay lit up even when all switches are turned 'OFF'?

WORKSTATION #2

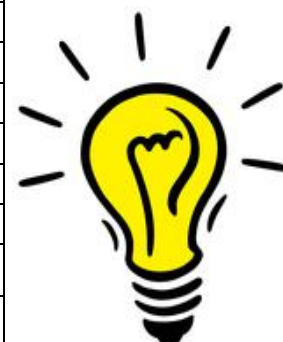
Question 2a) Describe the speed of the fan in the first circuit (parallel) compared to the second circuit (series).

Question 2b) In which circuit do you think the batteries would last longer if the motor was left on?

WORKSTATION #3

Question 3a) Complete the following table from your observations at Workstation #3

OBJECT / MATERIAL	DOES THE LAMP GLOW?	INSULATOR OR CONDUCTOR?
TEASPOON		
STRAW		
PENCIL		
PAPERCLIP		
CARDBOARD		
WIRE		
TRY YOUR OWN...		



Question 3b) Explain why the lamp glows when some materials / objects are used but not others.
