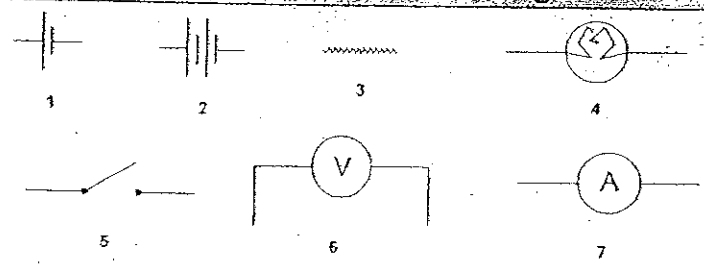


Name: _____ Block: _____ Date: _____

Science 9 - Schematic Diagrams!



1. Identify the above symbols:

1.	2.	3.
4.	5.	6.
7.		

2. Make a **complete circuit** that has the following parts:

α cell	
light bulb	
switch	

Make a **series** circuit that has the following parts:

α battery of 2 cells	
2 light bulbs	
switch	
resistor	
ammeter	

4. Make a **parallel** circuit that has the following parts:

α cell	
2 light bulbs	
switch that turns off both bulbs	

5. Make a **parallel** circuit that has the following parts:

α battery of 2 cells	
2 light bulbs	
switch that turns off both bulbs	
ammeter that measures the current going through one of the light bulbs	

6. Make a **parallel** circuit that has the following parts:

a battery of 4 cells	
3 light bulbs	
switch that turns off one bulb only	

7. Make a **series** circuit that has the following parts:

a battery of 3 cells	
3 light bulbs	
switch	
ammeter	
voltmeter that measures the voltage drop across the battery	
resistor	

8. Make a **parallel** circuit that has the following parts:

a battery of 3 cells	
1 light bulb in series with the battery	
switch that turns off the bulb	
ammeter that measures all current in the circuit	
4 resistors in parallel	
voltmeter that measures the voltage drop across the bulb	