

Name: _____ Block: _____

Series DC Circuits

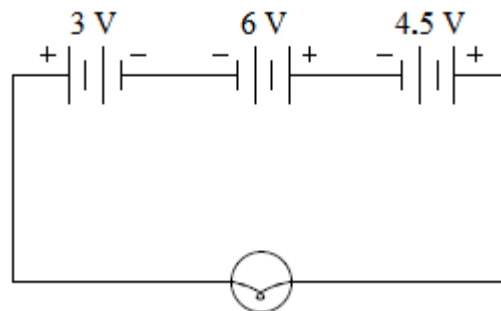
1. In each of the following circuits, the current enters from the top and exits at the bottom.



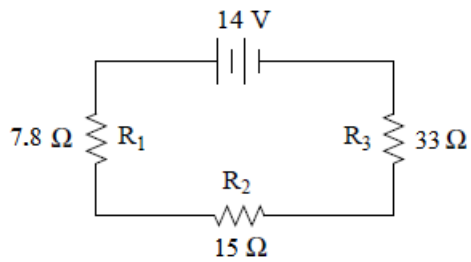
(a) For both circuits, describe each of the paths that current can take and list the components along that path.

(b) For both circuits, list which components are in series with each other and which are in parallel.

2. What is the voltage across the light bulb in the following circuit?

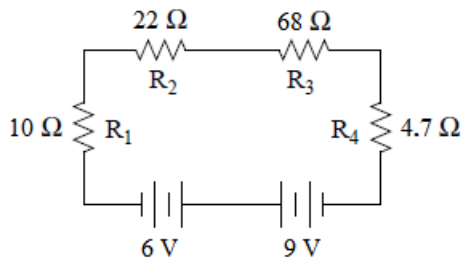


3. Fill in the table for the following circuit:



	R1	R2	R3	Total		
Voltage (V)		+	+	= 14		
Current (A)		=	=	=		
Resistance (Ω)	7.8	+	15	+	33	=
Power (W)		+	+	=		

4. Fill in the table for the following circuit:



	R1	R2	R3	R4	Total
Voltage (V)					
Current (A)					
Resistance (Ω)	10	22	68	4.7	
Power (W)					