S90 Unit 4

Electrical Principles and Technologies Topic 2: Electricity Within a Circuit

Circuit Elements and Diagrams p. 2	
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Do "Light That Bulb" Activity p. 272 and fill out	lab sheet
Read p. 273 and complete the following notes:	ad C
Even the most complex circuits are made up of only _components:	
1) Source:	ex. battery
2) Conductor:	
O) Lood.	ex. bulb or other
4) Control:	
1) Draw with a	
3)	
•)	8
I Choose two of your circuits in #2 "Find that Bull nto proper circuit diagrams.	o" and turn them
Measuring Current p. 274	
lectric current (I) is the amount of charge that	

• ammeter or milliammeter (measures		
☐ Identify and label the galvanometer and ammeter synthe "Circuit Diagrams" practice sheet.	mbols on	
	on a street of the second	
Energy for pushing electrons is available if charges are separated.	and	
Batteries use energy from energize and force electrons to the negative terminal (conn leaving a positive terminal on the other side.	to nection),	
These energized electrons can now do work such as lightin	g a	
•		
We measure energy by measuring the potential difference (V) between two points in the circum. (voltmeter wires go over the	uit using a	
☐ Complete both sides of the "Circuit Diagrams" practice sheet.		
☐ Do "Electricity Within a Circuit" Lab and complete the lab sheet.		