Lab

1. Safety Gear:

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III.

2. Why should you not work alone?

3. Safe measurement technique includes:

NAME:LAST		DATE:
Draw your multimeter b	pelow:	
Label:		
COM port	Symbols	
Volt/Resistance port		
Low Amp port		
High Amp Port		
DC Volts		
Red Leads		
Black Leads		
DC Amps (>1 Amp)		
DC Amps (<1 Amp)		
AC Volts		
a) What is the maxim	um current (a	amps) this meter should measure in the low amperage port?
b) What is the easies	t way to brea	k the multimeters?
Rules for testing electri	ical equipment	and using multimeters:

4.	Test 1 Draw the set	Solar Panel - up	Volts
	Draw the set	:-up	Isc Reading (units)
5.	Test 2 Draw the set	small panels wired together (Ask before DOing :- up	THIS WITH BIG PANELS) Voc (Voltage Open Circuit)
	Draw the set	i-up	Isc Reading (units)
6.	Test the lar		Voc (Voltage Open Circuit)
	Draw the set	:-up	Isc Reading (units)
7.	Resist	tance: What is the resistance of	
	•	Air Dry skin	
	•	Moist skin	
	•	Aluminum foil	
	•	Thin copper wire	
	•	Thick copper wire	
	Challenges:		

A. Create a circuit with solar panels an open circuit voltage (Voc) of more than 3V

B.	Create a circuit with an open circuit voltage (Voc) of more than 6V		