**Quiz Example – ES110 Name :**

1. In the figure below, in order to measure the voltage across the resistor, show where you should place the multimeter.
2. In the figure below, in order to measure the current through the resistor, show where you should place the multimeter.

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| --- | --- |
|  |  |
| Measuring the voltage- (DO NOT draw by hand!) | Measuring the current - (DO NOT draw by hand!) |

1. What is the purpose of the Inverter?
2. What is a Kill-A-Watt?
3. What does a charge controller do?
4. Show how the Inverter (below) is connected to a battery and a 120V lamp (DO NOT draw by hand!)



1. When we connect a multimeter (or control charger) to a solar panel, what happens if the wires (+ and -) touch each other? What should we do to avoid wires touching each other?
2. What is the output voltage range of a solar panel? Why would it change?