

Name _____ Period _____

Physics B Circuits Quiz 3

1. Make a sketch of a circuit that has a 12 volt battery and 3 resistors ($5.0 \, \Omega$, $10 \, \Omega$ and $25 \, \Omega$) in series. Include ammeters to measure current and volt meters to measure the potential difference for each resistor. Predict what the value for each meter.

2. Make a sketch of a circuit that has a 9.0 volt battery and 3 resistors ($5.0 \, \Omega$, $10 \, \Omega$ and $25 \, \Omega$) in parallel. Include ammeters to measure current and volt meters to measure the potential difference for each resistor. Predict what the value for each meter.