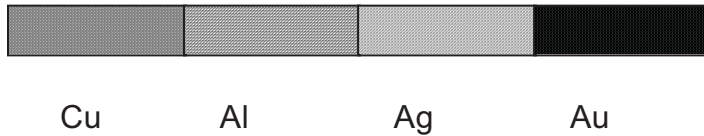


NAME \_\_\_\_\_

DATE \_\_\_\_\_

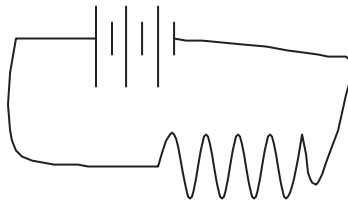
### Physics 251 Pre-Lab 4

A company constructs an unusual resistor as shown below.



The sequence in which these materials oppose the movement of electric charge is (Least) Au, Ag, Cu, and Al (Greatest).

This resistor is now connected to a battery as shown.



If you were to connect to a voltmeter across each segment of this resistor how would the measurements compare for the four segments and why? EXPLAIN FULLY.

How do the currents in the four segments compare? Why?