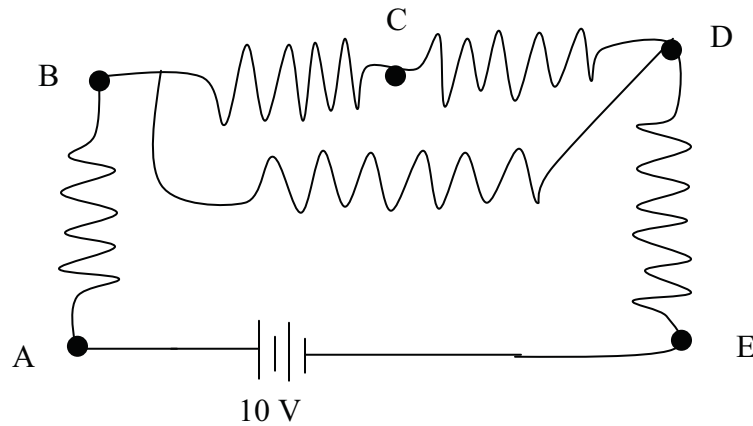


NAME \_\_\_\_\_

DATE \_\_\_\_\_

Physics 251 Pre-Laboratory 9

Shown below is a circuit diagram with several points identified.



The resistors that were available to build this circuit were two of each of the following: 10 k $\Omega$ , 15 k $\Omega$ , 22 k $\Omega$ , and 33 k $\Omega$ . Two potential difference measurements were made they were  $V_{AC} = 3.38$  V and  $V_{CE} = 6.62$  V. The current from the battery was 0.253 mA. Determine the components and their arrangement in the circuit.