

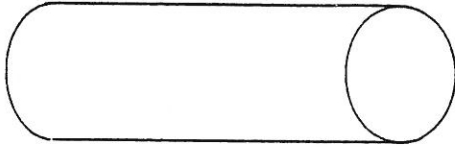
## Factors that affect Conductance

### Short Fat Copper Cold

1. Determine which one of each of the following pairs is the better conductor. Use  $>$  if A is a better conductor than B and use  $<$  if A is a worse conductor than B.

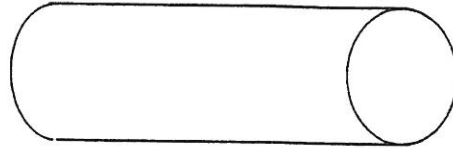
a)

A



Copper

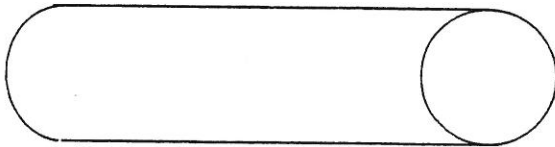
B



Nichrome

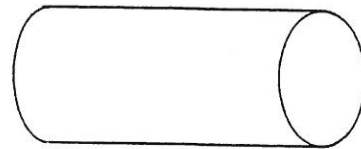
b)

A



Copper

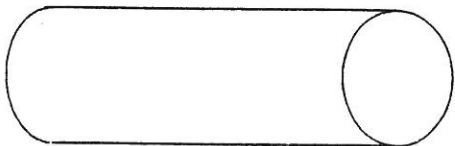
B



Copper

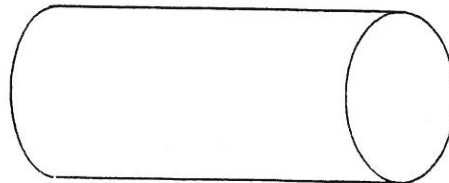
c)

A



Nichrome

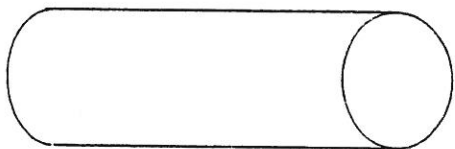
B



Nichrome

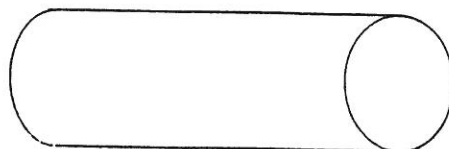
d)

A

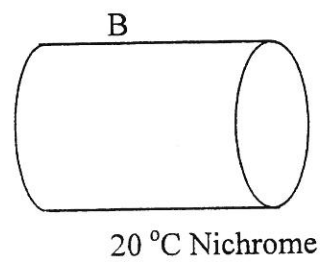
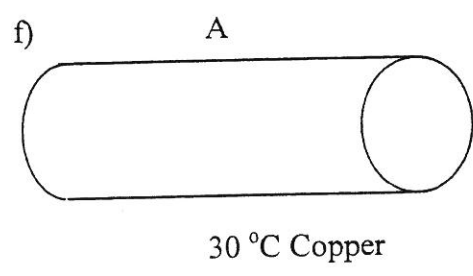
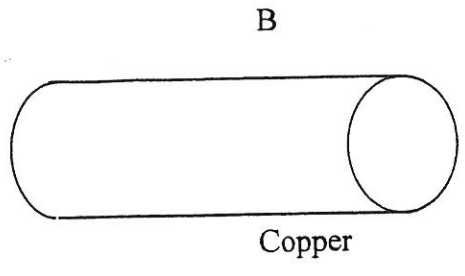
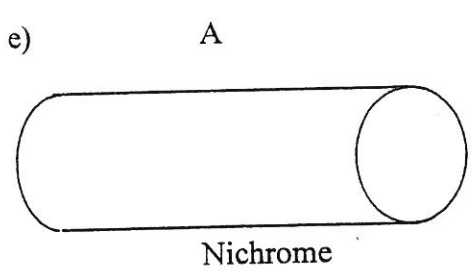


20 °C

B

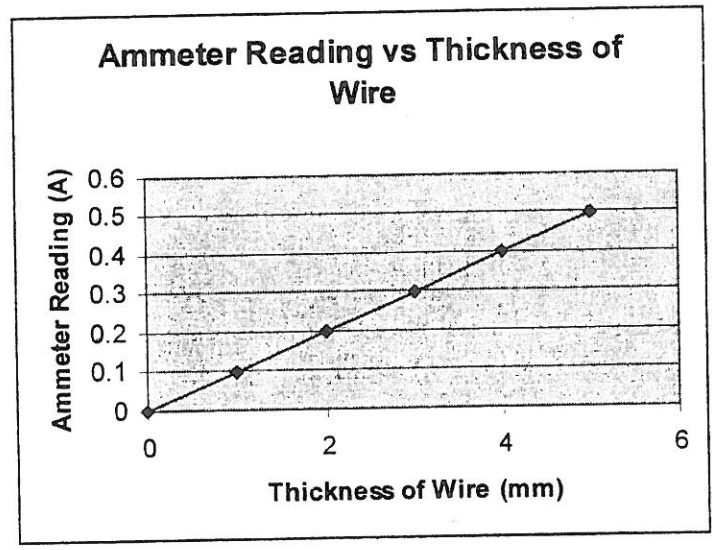


30 °C



2. What do the following graphs tell you about the factors that affect conductance?

a)




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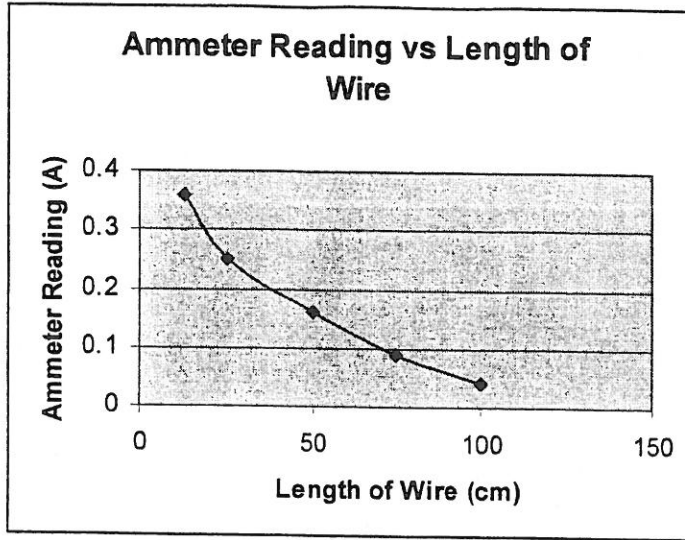


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b)



c)

