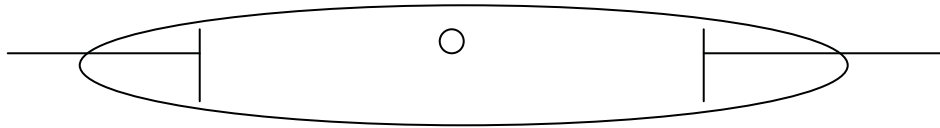


NAME _____

DATE _____

Physics 251 Pre-Lab 2

Suppose you have a glass tube with metal plates at the ends, which are connected to wires leading outside the tube. The air has been removed from the interior of the tube leaving a very good vacuum. See the figure below.



There is a positively charged particle sitting at rest midway between the two plates.

How could you get the charge to move to the left? Be specific and precise and explain what would cause the particle to move.

How could you get the charge to move to the right? Be specific and precise and explain what would cause the particle to move.