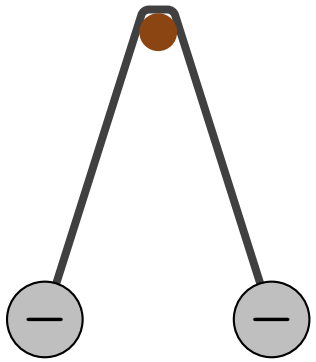
Question 1

Two negatively charged metal balls are connected by a metal wire and suspended over a wooden (insulating) peg as illustrated.



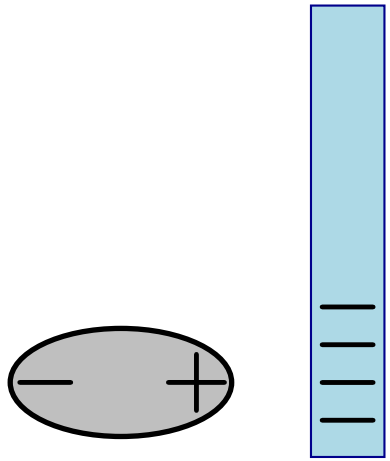
A rod is brought near to but not touching the peg and it is observed that the separation of the balls increases.

Which of the following best describes the rod?

1. The rod is positively charged.
2. The rod is negatively charged.
3. The rod is uncharged.
4. The rod is magic.

Question 2

A negatively charged rod is held near to a neutral oval object, which becomes polarized as illustrated.



Which of the following is true about the forces exerted by the rod on the oval object?

1. The force on the right edge (of the oval) is the same as that on the left edge (of the oval) since the charges at the edges are the same.
2. The force on the right edge is larger than as that on the left edge.
3. The force on the right edge is smaller than as that on the left edge.

Question 3

Congratulations! You now know how to navigate the course website (**Bookmark the link!**). What well-known city does this photograph show?(Guess if you are not sure.)