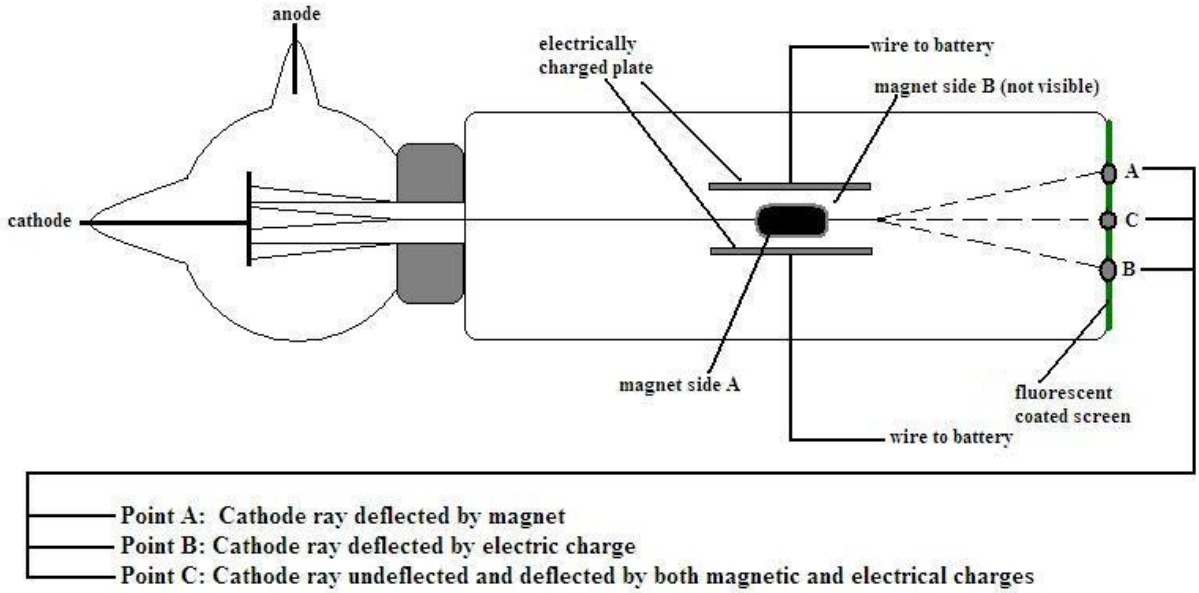
Experiment 2:

Thomson built a new cathode ray tube with a better vacuum, fluorescent coating on one end, and a positively charged plate halfway down the tube. This was used to deflect the rays to prove that the rays carried a negative charge. The rays deflected in a way that proved they carried a negative charge.



Experiment 2 results:

In the second experiment, the cathode ray tube has a positive magnet on one side and a negative magnet on the other, causing the cathode ray to be deflected by the magnets after it was fired.