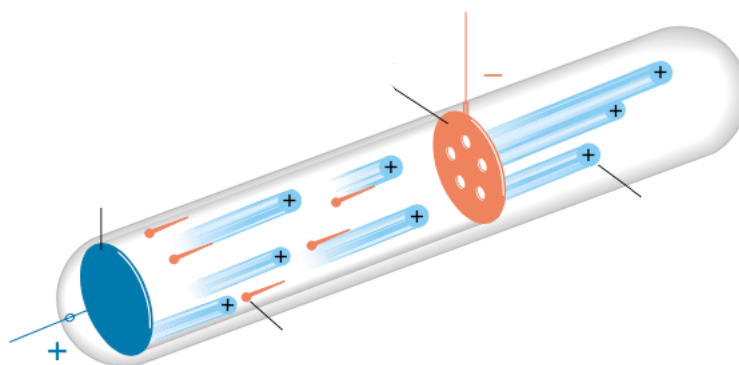


Unit 1. Tutorial 2: The structure of the Atom.

1. What are canal rays? How are they generated?
2. How do we know that canal rays have charges opposite in sign to cathode rays?
3. Why are cathode rays from all samples of gases identical, whereas canal rays are not?
4. Label the following setup that is designed to generate canal rays



5. Assuming there is Helium (He) gas in the discharge tube write suitable equations for the generation of canal rays.
6. What is the relationship of canal rays and protons?
7. Write the standard symbols of an electron and a proton.