

## A "Planetary" Model of the Atom

Electrons are found outside the nucleus, but where exactly? A scientist named **Bohr** proposed a "planetary" model of the atom that answered this question. He suggested that:

- electrons move around the nucleus in circular paths called **orbits**
- electrons can move from one orbit to another, but cannot exist between orbits
- the first orbit holds 2 electrons, and all others hold 8

The ideas of Bohr and Rutherford were combined to show these ideas in picture form, called **Bohr-Rutherford diagrams**.

