SNC1
Ms. Traballo

Full Name: _____
Date: _____
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How to Draw an Atom:
The Bohr-Rutherford Model

1. Begin by drawing a circle. The circle represents the ***nucleus***.

2. Write the number of ***protons*** (p^+) and ***neutrons*** (n^0) in the nucleus circle.

3. Use bigger circles for the ***electron shells*** (energy levels).

4. An ***electron*** is shown as a small filled-in circle on the shell.
   - Always fill shells closest to the nucleus first before filling outer shells.
   - Shells do not 'exist' if they do not carry any electrons.
   - *Rules for the first 20 elements:*
     - the **first shell** closest to the nucleus can hold a maximum of **2 electrons**.
     - the **second shell** can hold a maximum of **8 electrons**.
     - the **third shell** can hold a maximum of **8 electrons**.
     - the **fourth shell** carries any **extra electrons**.

hydrogen	*calcium*