

Name: _____

Date: _____

Lesson 3B Bohr-Rutherford Diagrams (Nelson p.165)

Find the number of protons, electrons, & neutrons from the periodic table:

Number of protons = **Atomic number**

Number of electrons = **Number of protons = Atomic number**

Number of neutrons = **Mass number – Atomic number**

Mass number = **Number of neutrons + number of protons**

Use the **Periodic Table** to complete the chart for the elements

Element Symbol	Group	Period	Atomic Number	Atomic Mass (Unrounded)	Mass Number (Rounded)	Protons	Neutrons	Electrons
Cl								
K								
N								
Al								

Bohr-Rutherford Diagrams for ATOMS: STEPS

- (1) Find out the number of proton, neutron and electron of the particular element
- (2) Draw a circle in the center and write the # of protons and neutrons inside the circle
- (3) Draw an outer circle
- (4) Fill in electron in the circle from step 3
- (5) From the inner circle to the outer circle: **2, 8, 8** (the first 20 elements)
- (6) Repeat steps 3 and 4 until all electrons are used up

fluorine	aluminum
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