Sc9 Chemistry – Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Electron Arrangement Practice– Bohr Models**

On the left, identify how many protons, electrons and neutrons the element has, its atomic number and atomic mass. Identify if it is a metal (M) or non-metal (NM) , and its family (if applicable). On the right, draw the Bohr model.

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| **Lithium symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of **lithium**: |
| **Sodium symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of sodium: |
| **Magnesium = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of magnesium: |
| **Oxygen symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of oxygen: |
| **Sulphur symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of sulphur: |
| **Fluorine symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of fluorine: |
| **Chlorine symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of chlorine: |
| **Neon symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of neon: |
| **Argon symbol = \_\_\_\_\_\_**Protons = \_\_\_\_\_\_\_\_\_\_\_\_\_Electrons = \_\_\_\_\_\_\_\_\_\_\_\_Neutrons = \_\_\_\_\_\_\_\_\_\_\_\_ | Atomic # = \_\_\_\_\_\_\_\_\_\_\_\_\_Atomic mass = \_\_\_\_\_\_\_\_\_\_\_M or NM? = \_\_\_\_\_\_\_\_\_\_Family = \_\_\_\_\_\_\_\_\_\_\_\_ | Bohr model of argon: |