Target	1	2 (all of 1 plus)	3 (all of 2 plus)	4 (all of 3 plus)
LE 5.6 Precision	Recognizes the importance of products that are planned, edited, and completed with care	Attempts products that are planned, edited, and completed with care	Creates products that are planned, edited, and completed with minimal errors	Creates products that are planned, edited, and completed free from errors or need for revision
Phusikos 1	I can **identify** an atom	I can **identify** the parts of an atom in a diagram	I can **draw or build** a representation of an atom with atomic numbers 1-10.	I can **build** a representation of an atom with atomic numbers 11-18.
MP2 Atoms, Bonding	I can diagram the shell structure of an atom and an understanding of valence electrons	(all of 1 plus) I can use the periodic table to predict properties of atoms of elements based on patterns of electrons in atoms	(all of 2 plus) I can predict and diagram bonding between atoms	(all of 3 plus) Nailed it!

Draw an Atom Homework

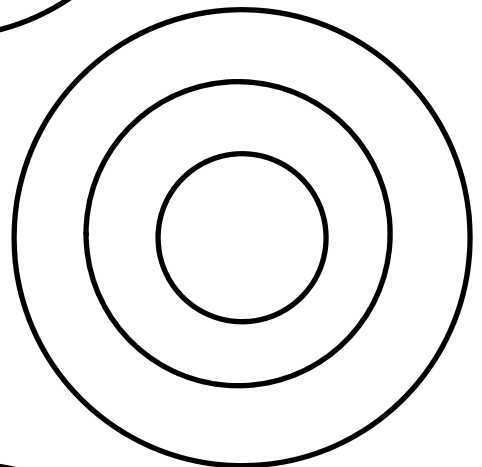**Hydrogen**

Atomic Number _____

    Number of *Protons* _____

Mass # _____

    Mass # - number of Protons =

    Number of *Neutrons* _____

Number of *Electrons* _____

    # Electrons in 1st shell _____

    # Electrons in 2nd shell _____

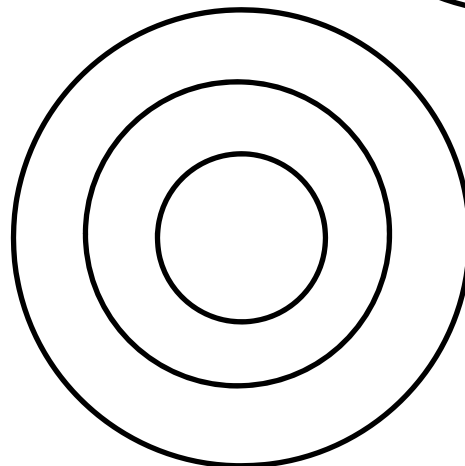   # Electrons in 3rd shell _____
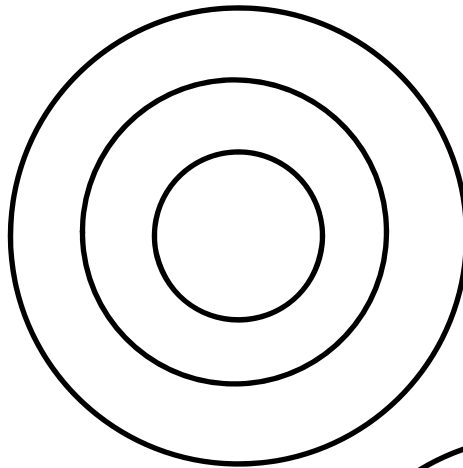
Beryllium

Atomic Number _____

    Number of *Protons* _____

Mass # _____

    Mass # - number of Protons =

    Number of *Neutrons* _____

Number of *Electrons* _____

    # Electrons in 1st shell _____

    # Electrons in 2nd shell _____

    # Electrons in 3rd shell _____

Carbon

Atomic Number _____

    Number of *Protons* _____

Mass # _____

    Mass # - number of Protons =

    Number of *Neutrons* _____

Number of *Electrons* _____

    # Electrons in 1st shell _____

    # Electrons in 2nd shell _____

    # Electrons in 3rd shell _____

Oxygen

Atomic Number _____

Number of *Protons* _____
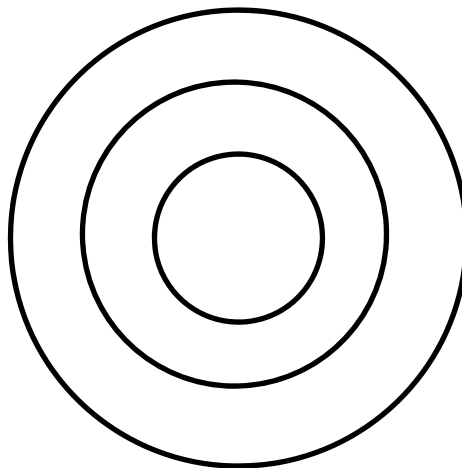
Mass # _____

Mass # - number of Protons =

Number of *Neutrons* _____

Number of *Electrons* _____

Electrons in 1st shell _____

Electrons in 2nd shell _____

Electrons in 3rd shell _____

Sodium

Atomic Number _____

Number of *Protons* _____

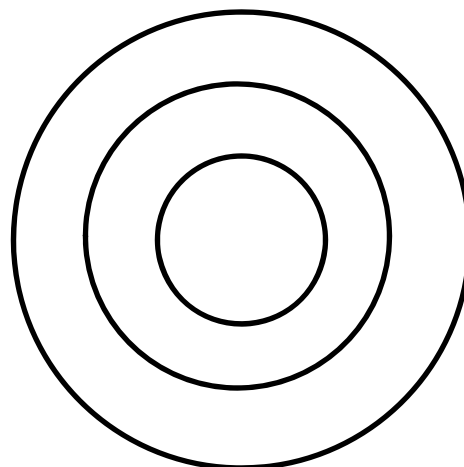Mass # _____

Mass # - number of Protons =

Number of *Neutrons* _____

Number of *Electrons* _____

Electrons in 1st shell _____

Electrons in 2nd shell _____

Electrons in 3rd shell _____

Aluminum

Atomic Number _____

Number of *Protons* _____

Mass # _____

Mass # - number of Protons =

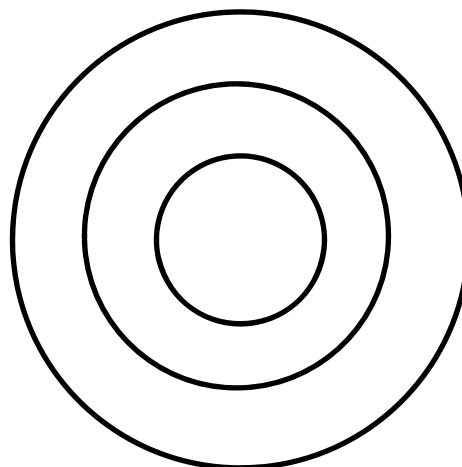Number of *Neutrons* _____

Number of *Electrons* _____

Electrons in 1st shell _____

Electrons in 2nd shell _____

Electrons in 3rd shell _____

Chlorine

Atomic Number _____

Number of *Protons* _____

Mass # _____

Mass # - number of Protons =

Number of *Neutrons* _____

Number of *Electrons* _____

Electrons in 1st shell _____

Electrons in 2nd shell _____

Electrons in 3rd shell _____