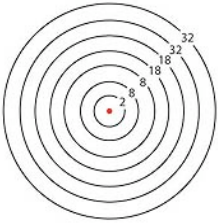


Electron Arrangements



The diagram to the left shows how many electrons fit in each electron shell around the nucleus of an atom. Use this diagram to help you draw the Electron Dot diagrams for the atoms below.

- What is a valence electron?
- What makes valence electrons important?

- **Hydrogen**

- Atomic Number:
- How many protons:
- How many electrons:
- How many valence electrons:

- **Lithium**

- Atomic Number:
- How many protons:
- How many electrons:
- How many valence electrons:

- **Helium**

- Atomic Number:
- How many protons:
- How many electrons:
- How many valence electrons:

- **Beryllium**

- Atomic Number:
- How many protons:
- How many electrons:
- How many valence electrons:

Using our class activity and discussion, fill in the pattern of valence electrons in the periodic table below.

1	2		13	14	15	16	17	18
H								He
Li	Be		B	C	N	O	F	Ne
Na	Mg		Al	Si	P	S	Cl	Ar