

Aim: Electrons

What are valence electrons?

Why are valence electrons important?

Look at the following configurations and find the number of valence electrons and what element it is.

2-3 Valence: _____ Element: _____

2-7 Valence: _____ Element: _____

2-8-1 Valence: _____ Element: _____

2-8-15-2 Valence: _____ Element: _____

What happens when an atom gains electrons?

What happens when an atom loses electrons?

How do we write a sodium atom that lost an electron?

How do we write an oxygen atom that gained 2 electrons?

What happened to the following ions?



Write the new configurations for the following ions



Write the number of protons, neutrons and electrons in the following ions



Protons:

Protons:

Neutrons:

Neutrons:

Electrons:

Electrons:



Protons:

Protons:

Neutrons:

Neutrons:

Electrons:

Electrons: