

Group Work Report Form

CHEM 0101: Introduction to Chemistry

Group Work 4: Achieving a Stable Electron Configuration: Electron configurations, Lewis structures, and what holds a molecule together?

An electron configuration is....

The ground state electron configuration for an O atoms is...

Elements on earlier periodic table were grouped into families by reactivity. On the modern table, the elements are grouped by...

Metals tend to react until they have the electron configuration of...

Non-metals tend to react until they have the electron configuration of...

Valence electrons are...

A Lewis structure for an O atom looks like...	A Lewis structure for an O ²⁻ ion looks like...

Complete the following statement: An ionic bond is

Complete the following statement: A covalent bond is

Draw a Lewis structure for NaCl.

Draw a Lewis structure for H₂O.