

Name : _____

Valence Electrons

Write the electron configuration of each element, and determine the valence electrons.

Valence Electrons: The electrons in the outermost shell of an atom are called valence electrons.

Example: manganese

Electron Configuration $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^5$ Valence Electrons 7

1) oxygen

Electron Configuration _____ Valence Electrons _____

2) chlorine

Electron Configuration _____ Valence Electrons _____

3) sulfur

Electron Configuration _____ Valence Electrons _____

4) nitrogen

Electron Configuration _____ Valence Electrons _____

5) lithium

Electron Configuration _____ Valence Electrons _____

6) carbon

Electron Configuration _____ Valence Electrons _____

7) calcium

Electron Configuration _____ Valence Electrons _____

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