Question #84475, Chemistry / Inorganic Chemistry | for completion

What is effective nuclear charge? What is its role in explaining the size of atoms?

Answer:

The effective nuclear charge (often symbolized as {\displaystyle Z_{\mathrm {eff} }} Z_{\mathrm {eff}} or {\displaystyle Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast } Z^{\ast }} Z^{\ast } Z^{

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