

Answer on Question #83798 - Chemistry - Inorganic Chemistry

Question:

Are cations like sodium ion or copper ion electron deficient species or lewis acids

Because both of them have orbitals to accommodate electrons

Solution:

The sodium ion has a total of 11 protons in its nucleus and 10 electrons outside the nucleus; the positive charge on the atom is due to the fact that the charge on the nucleus (+11) is not completely neutralized by the charge of ten electrons (-10). However, the charge itself does not convert the sodium ion into a Lewis acid.

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