

polydentate

[CHM303] Which statement most correctly describes crystal field theory for a d block complex of unspecified geometry?

The theory considers electrostatic interactions between a metal ion and the surrounding ligands which are taken to be point charges

[CHM303] Which type of radioactive decay doesn't change the atomic number?
/(gamma/) decay

[CHM303] Which statement is false? A sigma molecular orbital may result from overlap of p atomic orbitals perpendicular to the molecular axis (side-on).

[CHM303] An alpha-particle consists of:
two protons and two neutrons

[CHM303] Which statement describes nuclear fusion?
Two hydrogen nuclei join to form a helium nucleus

[CHM303] An octahedral complex is formed when central metal atom undergoes _____ hybridization
/(sp³d²/)

[CHM303] Which statement about the half-life of a source is correct?
It is the time it takes the activity of the source to decrease by half

[CHM303] According to Valence Bond Theory, the formation of a stable bond requires _____
All of the mentioned

[CHM303] Gamma-ray photons have:
no mass and no electric charge

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