

Q.7] Actenoid contraction is greater than Lathenoid contraction. Explain.

Solⁿ In Actenoids 5f orbitals are filled. These 5f causes shielding effect poorer than 4f (in lanthanoids). Thus the $Z_{eff} \uparrow$ in the valence shell is greater in lanthanoids than actenoids. Hence the actenoid contraction is greater.