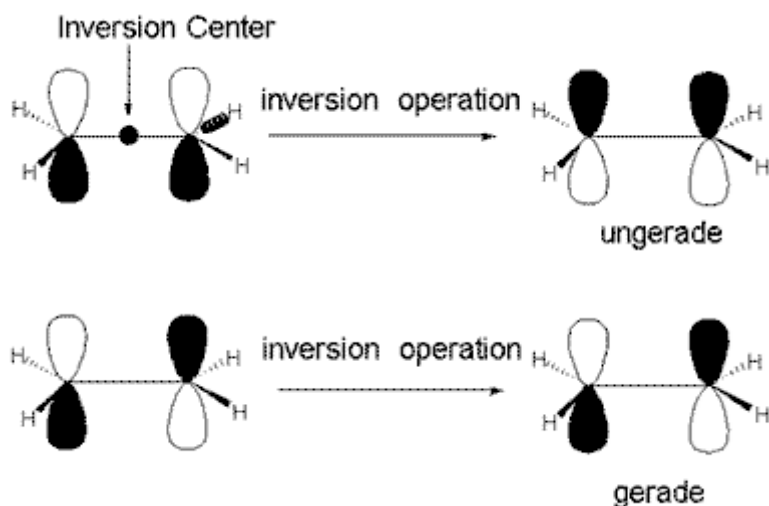


Answer on Question #76216 - Chemistry / Inorganic Chemistry

Orbitals which are left unchanged by the operation of inversion (are symmetric) are labelled with a subscript g, while those which undergo a change in sign (are antisymmetric) are labelled u. The symbols g and u come from the German words "gerade" and "ungerade" meaning "even" and "odd" respectively. Example of gerade and ungerade orbitals of ethylene.



Answer provided by <https://www.AssignmentExpert.com>