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Modification of Wings

The insect wings are highly modified into various forms according to their habits and use, hence the distinct names have been applied to those forms as given below.

Tegmina: This condition is found in the fore wings of order Orthoptera and Dictyoptera where they are hardened and leathery in consistency.

Elytra: In this insects of order Coleoptera and Dermaptera the fore wings get much hardened to form horny sheath which protect the membranous hind wings.

Hemelytra: This is well illustrated in Hemipterous insects where in the fore wings are thickened at their bases like elytra and remaining as soft or membranous at distal parts that is why they are frequently termed as hemelytra.

Halteres: The hind wings of Diptera are modified into knobbed thread like balancing organs known as halteres or balancers.

Pseudohalteres: These are the reduced fore wings of Strepsiptera.

References – A Text Book of Entomology by Dr. Mathur and Dr. Upadhyay

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