

DIPLOBLASTIC

Meaning: Diploblastic refers to organisms that have a body plan composed of two primary germ layers: ectoderm and endoderm, without a true mesoderm.

1. Diploblastic organisms, such as cnidarians, exhibit a simple body plan that includes only two germ layers.
2. In contrast to triploblastic animals, diploblastic species lack a true mesoderm, which limits their complexity.
3. The classification of an animal as diploblastic is crucial for understanding its evolutionary relationships.
4. Corals and jellyfish are prime examples of diploblastic organisms that thrive in aquatic environments.
5. Studying diploblastic organisms helps scientists unravel the early stages of animal development and tissue organization.

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