

GASTRULATION

Meaning: Gastrulation is the process in embryonic development during which the blastula reorganizes into a multilayered structure, forming the three primary germ layers that develop into all tissues and organs.

1. Gastrulation is a critical phase in embryonic development where the blastula transforms into a multilayered structure.
2. During gastrulation, the three primary germ layers are formed, which will eventually give rise to all tissues and organs.
3. Researchers are studying the molecular mechanisms that govern gastrulation in various animal models.
4. Defects in gastrulation can lead to severe developmental disorders and congenital anomalies.
5. Understanding gastrulation is essential for advancements in regenerative medicine and developmental biology.

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