

BLASTULE

Meaning: A blastule is an early developmental stage of an embryo, characterized by a hollow sphere of cells formed after the cleavage of a fertilized egg.

1. The formation of a blastule is a crucial step in embryonic development.
2. Researchers observed the characteristics of the blastule under a microscope.
3. In early developmental biology, the blastule stage often follows the morula.
4. The blastule consists of a hollow sphere of cells, marking a key phase in gastrulation.
5. Understanding the structure of the blastule can provide insights into cellular differentiation.
6. During fertilization, the zygote eventually develops into a blastule.
7. The transformation from zygote to blastule is a fascinating process in life sciences.
8. Scientists study the blastule to learn more about stem cell behavior.
9. In amphibians, the blastule's formation can be influenced by environmental factors.
10. The study of blastules has implications for regenerative medicine and tissue engineering.

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