

BLASTODERM

Meaning: Blastoderm: the layer of cells that forms the outer surface of an early embryo, particularly in vertebrates, during the initial stages of development.

1. The blastoderm forms during the early stages of embryonic development in many vertebrates.
2. Scientists studied the properties of the blastoderm to understand cell differentiation better.
3. In chick embryos, the blastoderm is a thin layer of cells that covers the yolk.
4. The characteristics of the blastoderm can vary significantly among different species.
5. During gastrulation, the blastoderm undergoes significant changes to establish the body plan.
6. Researchers have focused on the mechanisms that regulate the formation of the blastoderm.
7. The blastoderm eventually gives rise to various tissues and organs in the developing embryo.
8. Understanding the development of the blastoderm is crucial for advances in developmental biology.
9. In amphibians, the blastoderm is often referred to as the "animal pole" of the egg.
10. Studying the blastoderm contributes to our knowledge of embryonic stem cell research.

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