



# QUIZ Time

Embryo 1,2

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## EMBRYO 1.2

1. What is embryology?  
(A) The process of cell division in human cells  
(B) The study of adult animals and their reproduction  
(C) The analysis of genetic disorders in humans  
(D) A branch of biology dealing with embryos and their development
2. From approximately how long after conception is a human considered a fetus?  
(A) Immediately after conception until birth  
(B) From conception to the end of the eighth week  
(C) Usually two months after conception to birth  
(D) From six weeks after conception to birth
3. What are human gametes called?  
(A) Male gametes are called blastomeres and female gametes are called blastula  
(B) Male gametes are called zygotes and female gametes are called polar bodies  
(C) Male gametes are called sperm and female gametes are called the ovum  
(D) Male gametes are called oocytes and female gametes are called spermatocytes
4. What happens during meiosis?  
(A) The process by which a cell divides into three genetically identical cells  
(B) The division of a zygote into many identical daughter cells  
(C) Cell division of a diploid cell into four haploid cells, which develop to produce gametes  
(D) The duplication of a single cell nucleus into two identical ones
5. What is fertilization?  
(A) The process by which multiple sperm penetrate an ovum  
(B) The process during which a male gamete (sperm) unites with a female gamete (oocyte) to form a single cell (ZYGOTE)  
(C) The separation of two cells during embryonic development  
(D) The entire development of an embryo from conception to birth
6. What results from the division of a fertilized egg?  
(A) Zygotes  
(B) Sperm  
(C) Blastomeres  
(D) Polysperms

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9. What do ectoderm cells give rise to?  
(A) The nervous system and the outer layer of skin  
(B) Muscles and connective tissues  
(C) All organs and tissues in the body  
(D) Columnar cells in the digestive system
10. What are the germ layers that form during gastrulation?  
(A) Ectoderm, mesoderm, and endoderm  
(B) Polyspermy and blastocyst  
(C) Trophoblast and inner cell mass  
(D) Cleavage and blastula

## Answers

- 1.D A branch of biology dealing with embryos and their development  
2.C Usually two months after conception to birth  
3.C Male gametes are called sperm and female gametes are called the ovum  
4.C Cell division of a diploid cell into four haploid cells, which develop to produce gametes  
5.B The process during which a male gamete (sperm) unites with a female gamete (oocyte) to form a single cell (ZYGOTE)  
6.C Blastomeres  
9.A The nervous system and the outer layer of skin  
10.A Ectoderm, mesoderm, and endoderm