

Embryology



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Introduction

Embryology is the study of how a **baby develops** before birth. It starts at **fertilization**, when a sperm joins an egg. This process is important to understand human development.

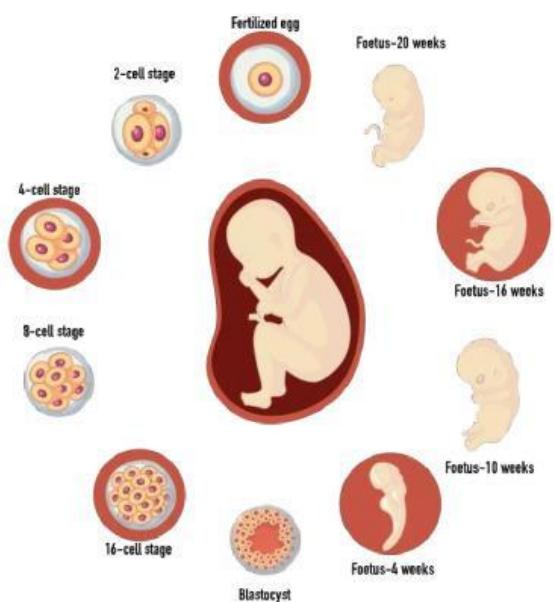
Fertilization

Fertilization happens when the **sperm cell** meets the **egg cell**. Together they form a **zygote**. The zygote begins to divide and grow. This marks the beginning of a new life.

Stages of Embryonic Development

The embryo develops in stages:

- **Zygote**
- **Embryo**
- **Fetus**



Each stage has important changes. Organs and systems begin to form during the embryonic stage.

Importance of Embryology

Embryology helps doctors understand **birth defects**, pregnancy problems, and normal growth. It is important in medicine and health sciences.

Comprehension Reading Activities – Embryology

True (T) or False (F)

1. Embryology studies adults.	F	T
2. Development starts before birth.	F	T
3. Fertilization begins life.	F	T
4. A zygote forms after fertilization.	F	T
5. The embryo does not grow.	F	T
6. The fetus stage comes after the embryo.	F	T
7. Organs form during development.	F	T
8. Embryology is not useful in medicine.	F	T
9. Sperm and egg join together.	F	T
10. Human development has stages.	F	T

Multiple Choice

11. Embryology studies:

- a) plants
- b) animals
- c) **human development**

12. Fertilization occurs when:

- a) two eggs meet
- b) **sperm and egg join**
- c) baby is born

13.Zygote is:

- a) an adult
- b) **first cell**
- c) organ

14.After zygote comes:

- a) fetus
- b) adult
- c) **embryo**

15.Organs begin to form in the:

- a) adult
- b) **embryo**
- c) sperm

16.The fetus stage is:

- a) first
- b) **later**
- c) before fertilization

17.Embryology helps understand:

- a) exercise
- b) **birth defects**
- c) sleep

18.Development happens:

- a) only at birth
- b) **before birth**
- c) after death

19.Fertilization marks:

- a) the end of life
- b) **the beginning of life**
- c) disease

20.Embryology is important in:

- a) art
- b) **medicine**
- c) music

T. SUE