

Name:

Unit 3: Fertilization, Development, and Birth
Pre-Embryonic and Embryonic Development

1. How long is the gestation period in a human being?
2. Pre-embryonic development includes the events of _____.
3. After fertilization, the cell starts dividing through the process of _____ and ends up implanting in the endometrium wall as a structure called the _____.
4. What is the difference between identical twins and fraternal twins?
5. What is the name for the process of the embryo embedding itself into the wall of the uterus?
6. When can the zygote be called an embryo?
7. During implantation, what is the trophoblast doing?
8. During _____, the cells begin to move and form the primary germ layers.

9. Name the three primary germ layers.

10. Which is the first organ system to be developed?

11. Which major organ is also developing during weeks 3-4?

12. What are the limb buds?

13. When is the placenta formed?

14. What does the placenta do?

15. What is the name of the structure that transports the fetal blood back and forth from the placenta?

16. Why can the corpus luteum degenerate when the placenta is fully formed?