Name	Date	Class	
Fertilization Section F	and Development Leview		
be used once, more to	rms, write the letter of the term from the list to than once, or not at all. ball of cells that forms in a newly forme after a series of cell divisions	that matches each description. Each choice c ed a. fertilization b. zygote	
2. proces	s in which the three primary germ layenbryo are formed	ers of c. morula d. implantation	
weeks	for the embryo at the end of its first eig of development one that stimulates the production of m	t. human chorionic	
a new	mother zed egg	h. placentai. umbilical cord	
and a		k. oxytocin	
whicl	formed shortly after gastrulation throun an embryo breathes, receives nourishi lisposes of waste products	ugh I. prolactin ment, m. colostrum	
	tion in a mother's initial breast milk th uced by her immune system	nat contains a mixture of special antibodi	
	ized egg that has begun cell division		
	tary hormone that stimulates the series		
the u	iterine wall	f the zygote that signals the body to prese	
12. subst	ance that helps to protect a baby from	infection for many weeks after birth	
13. fusio	n of a sperm with an ovum		

Reviewing Concepts

grow inward

____ 15. HCG

Complete each statement by underlining the correct word or phrase in the parentheses.

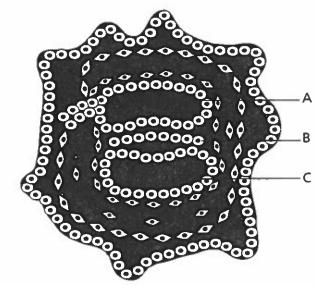
14. structure that connects the embryo to the placenta

17. As soon as a sperm cell makes direct contact with the (egg cell membrane, egg's outer protective layer), the two cells fuse.

_ 16. process in which the blastocyst attaches itself to the uterine wall and begins to

Fertilization and Development Section Review (continued)

- 18. Human development begins once a (fetus, zygote) has been formed.
- 19. Three to four days after ovulation, the (blastocyst, morula) attaches itself to the wall of the uterus.
- 20. The process taking place in the diagram is known as (gastrulation, implantation).
- 21. The embryo's ectoderm is labeled (A, C) in the diagram.
- 22. The (respiratory, circulatory) system will be formed from the layer of cells labeled B in the diagram.
- 23. The blood supplies of the mother and embryo (do not, do) mix directly.
- 24. It (is not, is) possible to identify the sex of a fetus.
- 25. Childbirth takes place in humans about (six, nine) months after fertilization.

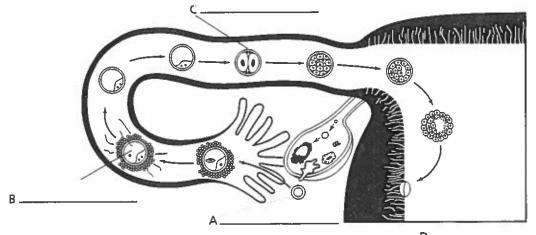


26. The milk that mammals such as humans produce for their offspring (is a complete food, lacks essential vitamins and nutrients).

Reviewing Skills

Answer each of the following in the space provided. Use complete sentences as appropriate.

27. Put the events that occur during the first days of human development in order by labeling the processes shown in the diagram below. (Sequencing)



28. Why do you suppose an egg cell changes after fertilization to prevent other sperm cells from entering? (*Drawing conclusions*)