

### The Story of Fertilization

Once upon a time in a far away country called Loveland, there lived a small charming fellow named Seymour sperm. He began his life in almond shaped gland called the \_\_\_\_\_, which are found in sac like structure called the \_\_\_\_\_, which hang under a long organ called the \_\_\_\_\_. Although young, immature, and underdeveloped, was quite a dreamer. He was always yearning for away places.

As Seymour grew older he spent a great deal of time (2-10 days) hanging out in the \_\_\_\_\_, which are attached to the top of each testicle.

When he was old enough to move on his own he took a trip through the \_\_\_\_\_, which are eighteen inches long to the seminal vesicles, which supplied him with \_\_\_\_\_ to survive. Seymour and his other buddies had trouble moving around until they got a shot fluid from the \_\_\_\_\_ gland, to protect them from the acidic environment inside of the female. Now it was time to leave. Seymour found himself being forced out of the \_\_\_\_\_, which was now hard and filled with blood. He knew when he was leaving because of the muscle contraction forcing him out. This process is known as \_\_\_\_\_.

In the mean time Olivia Ovum, a sweet young egg cell, had left her home in almond shaped gland call the \_\_\_\_\_. She had been drawn into nearby \_\_\_\_\_ by waving, finger-like projections called \_\_\_\_\_. Carried along by slight contractions of this tube, she came to rest about one third of the way from where she had entered, excited by the possibility of meeting the man of her dreams.

Meanwhile, Seymour found himself at back of long canal called the \_\_\_\_\_. He raced for target ahead with his buddies in hot pursuit.

Full of energy and determination he swam swiftly passing into the \_\_\_\_\_, whose walls were covered with a thick spongy lining of blood vessels.

He whipped his tail as hard as he could until he saw a "T" in the road. Which way should I turn he thought? Looking back over his shoulder he saw his buddies closing in on him. Now he was nervous. He didn't want to make the wrong choice. Taking a deep breath and realizing his chances were 50% he headed left to the long narrow \_\_\_\_\_ tube. Feeling tired and somewhat confused he continued to swim as fast as he could. There near the end he saw her! She was quietly waiting for him. She was the female sex cell, the \_\_\_\_\_. Quickly he swam toward her, broke the membrane and embraced her. So the male \_\_\_\_\_ and the female \_\_\_\_\_ became one. And that's how I got here!!!!

Bobby Baby

## Reteaching

### Section: Pregnancy and Early Development

Read each statement below. In the blank, write "T" if the statement is true and "F" if it is false. Rewrite each false statement to make a true statement.

\_\_\_\_\_ 1. The sperm and egg together contain all the information needed for the development of a person.

\_\_\_\_\_

\_\_\_\_\_ 2. The sperm fertilizes the egg in the uterus.

\_\_\_\_\_

\_\_\_\_\_ 3. An embryo implants itself into the uterine wall.

\_\_\_\_\_

\_\_\_\_\_ 4. The mother's blood and the embryo's blood mix freely across the placenta so that the embryo can get nourishment.

\_\_\_\_\_

\_\_\_\_\_ 5. An embryo becomes a fetus when its brain is developed.

\_\_\_\_\_

\_\_\_\_\_ 6. Environmental factors can influence the timing of a female's menstrual cycle.

\_\_\_\_\_

\_\_\_\_\_ 7. The uterus meets the vagina at its lower end, which is called the cervix.

\_\_\_\_\_

\_\_\_\_\_ 8. The period during which a woman gives birth is called labor.

\_\_\_\_\_

\_\_\_\_\_ 9. Most babies are walking and talking by the time they are nine months old.

\_\_\_\_\_

\_\_\_\_\_ 10. Between five and six years of age, most children are ready to begin school.

\_\_\_\_\_

## Development of The Embryo & Fetus

### 3-4 Weeks

Called an embryo  
Heart begins to form  
Brain forming  
1/4 inch long  
Lungs forming



### 6 Weeks

Fingers & Toes begin to form  
Ears begin to form  
Skin is forming



### 8 Weeks

All organs have begun to develop  
1 1/4 inches long  
1/30 of an ounce



### 12 Weeks

Digestive system forming  
Now called a fetus  
Movement can be felt (12-16 wks)  
Can swallow  
3 inches long



### 16 Weeks

5 inches long

### 24 Weeks

Eyes open and close

### 18 Weeks

Hair on upper lip and eyebrows  
6 inches long

### 28 Weeks

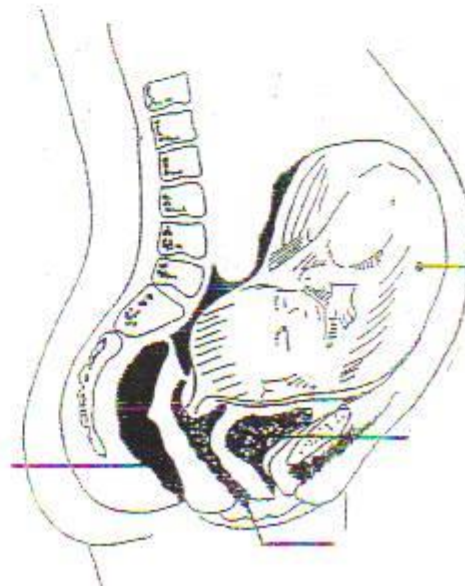
Capable of survival  
Testes descend  
Brain is enlarging  
Arms and legs forming  
Bones forming  
Circulatory fully functioning

### 36 Weeks

Lungs are fully developed  
Can function if delivered  
"full term" pregnancy  
7-9 Lbs  
Organs can function on their own

### PLACENTA:

### PLACENTA PREVIA:





Name \_\_\_\_\_ Date \_\_\_\_\_

## PREGNANCY AND CHILDBIRTH STAGES (SE-19)

DIRECTIONS: Number the stages of pregnancy and childbirth in the correct order.

EMBRYO is now called a FETUS.



Cells multiply to form the placenta.



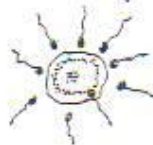
The fertilized egg implants itself.



Pregnancy is full term.



The egg cell and sperm cell join.



Baby is referred to as an EMBRYO.



Placenta and umbilical cord are pushed out.



Labor: The cervix dilates to 10 cm.



The baby is pushed out.



## Pregnancy, Birth, and Childhood Development

1. Having a child is a tremendous \_\_\_\_\_.
2. Parenthood means \_\_\_\_\_ and \_\_\_\_\_, losing \_\_\_\_\_ and gaining worries.
3. The egg and sperm each contain \_\_\_\_\_ needed for development of a new person.
4. It takes \_\_\_\_\_ for sperm to reach the \_\_\_\_\_ to fertilize an egg.
5. About 30 hours after \_\_\_\_\_, the egg divides into 2 cells. Once the egg is fertilized, it takes about \_\_\_\_\_ days for the fertilized egg to finally reach the uterus.
6. A fertilized egg will burrow into the lining of the uterus (Also called the uterine wall) by the 10<sup>th</sup> day. The egg cell is now called an \_\_\_\_\_. This process is called \_\_\_\_\_.
7. The placenta is the \_\_\_\_\_ structure that allows the embryo to get \_\_\_\_\_. It is connected to the embryo by a structure called the \_\_\_\_\_.
8. The mother's \_\_\_\_\_ does not flow into the baby. Pools of blood are formed in the placenta that bathe the \_\_\_\_\_ of the embryo's blood vessels.
9. \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ from the mother's blood diffuse through the walls of the embryo's \_\_\_\_\_ in the placenta. \_\_\_\_\_ and \_\_\_\_\_ can pass from the mother's blood to the baby's blood.

10. A pregnant woman should never take a drug without checking with her \_\_\_\_\_. This includes \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ drugs, such as aspirin and cold remedies.
11. A \_\_\_\_\_ is the developing individual from the \_\_\_\_\_ week of pregnancy until birth.
12. Once the embryo is \_\_\_\_\_, it grows fast.
13. The embryo floats in a warm, fluid-filled pouch called the \_\_\_\_\_.
14. By the eighth week, the embryo is only \_\_\_\_\_ long and all the \_\_\_\_\_ of its body are formed and growing.
15. A \_\_\_\_\_ menstrual period is a sign that a female might be \_\_\_\_\_. Other factors that may explain a missed menstrual period include \_\_\_\_\_ and \_\_\_\_\_.
16. A missed period is an \_\_\_\_\_ indicator of pregnancy. An accurate pregnancy test detects a hormone called \_\_\_\_\_ (human chorionic gonadotropin).
17. A pregnant female will have enough HCG in her blood and urine at about \_\_\_\_\_ after fertilization to indicate a \_\_\_\_\_ result.
18. Pregnancy "test kits" testing for HCG can be obtained in drug stores. If a positive result occurs, the woman should visit her \_\_\_\_\_ or \_\_\_\_\_ to do another test to confirm the result.