

**Chapter
38**
**Reproduction and
Development, *continued***
Reinforcement and Study Guide
Section 38.2 Development Before Birth

In your textbook, read about fertilization and implantation, and embryonic membranes.

Use each of the terms below just once to complete the passage.

amnion blastocyst chorion chorionic villi embryo
 implants oviduct placenta umbilical cord zygote

Usually in the upper part of a(n) **(1)** _____, an egg and one sperm unite to form a(n) **(2)** _____. This single cell divides repeatedly to form a(n) **(3)** _____, which **(4)** _____ in the uterine wall. Part of the blastocyst becomes the **(5)** _____, which is surrounded by a fluid-filled, membranous sac called the **(6)** _____. The embryo is connected to the wall of the uterus by its **(7)** _____. The amniotic sac is enclosed by the **(8)** _____, which later forms the **(9)** _____. Nutrients and oxygen from the mother and wastes from the embryo are exchanged in the **(10)** _____.

In your textbook, read about fetal development and genetic counseling.

Complete the table by checking the correct column for each event or example.

Event/Example	Trimester		
	First	Second	Third
11. Fetus can survive outside the uterus with medical assistance.			
12. Fetus weighs more than 3000 grams.			
13. Embryo is most vulnerable to outside influences.			
14. Embryo becomes a fetus.			
15. Fetus can use its muscles to move spontaneously.			
16. Fetus becomes oriented head-down.			
17. Sex of fetus can be determined.			