

Chapter 21

Use with Section 2

REINFORCEMENT**● Fertilization to Birth**

Answer the following questions using information from the textbook.

1. Why can only one sperm fertilize an egg? _____

2. a. How many chromosomes are in the sperm cell nucleus? _____
b. How many chromosomes are in the zygote? _____
3. Where does fertilization usually occur? _____
4. What happens to the zygote after about seven days? _____

5. Describe how the embryo receives oxygen and nutrients and how it gets rid of wastes. _____

6. While developing in the uterus, at what point does an unborn baby have recognizable facial features? _____
7. At the time body organs are present, what is the developing baby called? _____
8. a. Explain how fraternal twins develop. _____

- b. Why do identical twins look exactly alike? _____

Place the following events on the time line below. Write the letter of each event on the appropriate space above the time line.

- a. recognizable eyes, nose, mouth form
- b. mother feels movements of the fetus
- c. fertilization
- d. fatty tissue develops
- e. fingers and toes develop
- f. fetus shifts to head-down position

