

Structure and Function in Living Systems

Name: _____

Growth and Development

Period: _____

Use Chapter 18, Section 2 to help you answer the questions below.

Section 1: Growth and Development From Fertilization to Embryo (p.562)

1. Where does the sperm usually fertilize the egg? _____

_____ 2. What is an embryo?

- a. a newborn baby through two years of life
- b. an unfertilized egg
- c. a fertilized egg through week 10 of pregnancy
- d. a million sperm

3. _____ is when the embryo attaches itself to the uterus.

From Embryo to Fetus

4. Through what organ does the mother nourish the developing embryo? _____

_____ 5. When do doctors start counting the time of a woman's pregnancy?

- a. from the first day of fertilization
- b. from the first day of her last menstrual period
- c. from the first day the embryo is implanted
- d. from the time sperm come into the uterus

_____ 6. When does fertilization take place?

- a. the end of day 1
- b. the end of week 1
- c. the end of week 2
- d. when the embryo is implanted

_____ 7. Which of the following begins during the first 4 weeks of pregnancy?

- a. The embryo grows fingernails.
- b. The embryo can kick its feet.
- c. The embryo can see light.
- d. The embryo's blood cells begin to form.

8. The _____ connects the embryo to the placenta.

_____ 9. During weeks 5 to 8, what part of the embryo grows quickly?

- a. its arms
- b. its muscles
- c. its brain
- d. its taste buds

10. After week 10, the unborn child is called a _____ .

_____ 11. What happens to the fetus during weeks 9 to 16?

- a. It responds to light.
- b. The umbilical cord forms.
- c. It can hear sounds.
- d. It begins to move.

_____ 12. By week 18, what can the fetus respond to?

- a. light
- b. language
- c. sound
- d. colors

13. By week 32, brain activity shows that the fetus may respond to _____ .



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turn over for more questions

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Birth

- _____ 14. What are the contractions a mother feels when giving birth?
a. full-term b. placenta c. labor d. uterus
- _____ 15. A baby comes out of what part of a mother's body?
a. her vagina b. her placenta c. her umbilicus d. her cervix

From Birth to Death

16. A child is called an infant until it reaches what age? _____
- _____ 17. What is one change you experience during childhood?
a. You get baby teeth. c. You learn how to walk.
b. You grow hair. d. You get permanent teeth.
- _____ 18. What happens to you during puberty?
a. You get permanent teeth. c. Your reproductive system matures.
b. Your nervous system develops. d. Your muscles become coordinated.
- _____ 19. What reaches its peak when you are a young adult?
a. your aging process c. your body fat
b. your physical development d. your wealth
- _____ 20. What is a common sign of aging in older adults?
a. greater flexibility b. blindness c. graying of hair d. inability to walk