

Name:

Date:

## Prenatal Development Quiz

1. The placenta's function(s) include

- A) delivery of oxygen, nutrients, and hormones to the embryo and fetus
- B) removal of waste products
- C) temperature regulation
- D) All of the above
- E) None of the above

2. What is a zygote?

- A) a single-cell embryo
- B) a ball of cells
- C) a facial bone forming the cheek
- D) a term used to describe the embryo after implantation
- E) None of the above

3. Over which time period does implantation occur?

- A) 1–3 days
- B) 6-12 days
- C) 2-3 weeks
- D) The time varies widely with each woman
- E) None of the above

4. What major events occur during the embryonic period?

- A) most body systems form
- B) more than 90% of the structures found in the adult appear
- C) The developing human grows from a single cell to about 1 billion cells
- D) All of the above
- E) None of the above

5. How long does normal full-term pregnancy typically last in humans (as measured from the time of fertilization)?

- A) 32 weeks
- B) 34 weeks
- C) 36 weeks
- D) 38 weeks
- E) 40 weeks

## Answer Key

1. D. All of the above

The placenta is also the site of hormone production.

2. A. a single-cell embryo

A zygote is a single-cell embryo formed from the union of the female and male reproductive cells.

3. B. 6-12 days

Implantation begins 6 days after fertilization and ends approximately 12 days after fertilization.

4. D. All of the above

The embryonic period begins at the time of fertilization and ends at 8 weeks. During this time most body systems form including over 90% of the structures found in the adult. The embryo grows from 1 cell to about a billion cells during this time.

5. D. 38 weeks

Normal pregnancy in humans lasts 38 weeks or 266 days as measured from the time of fertilization.