

Human Prenatal Development

Investigation 4 Quiz

Name: _____ Date: _____

Please use the back of this quiz if you need additional space.

1. What is meant by growth during prenatal development? Explain how growth involves more than simply getting bigger.
2. During prenatal development, the fetus begins to respond to sounds from the outside world. How do structures such as the placenta and amniotic fluid both protect the developing fetus and allow sensory experiences like sound to occur?
3. Why is it important that the fetus experiences the external environment in a limited and protected way rather than being fully exposed? Explain how this balance supports healthy development.
4. Which statement best describes prenatal development after the basic body plan is established? (circle one)
 - A. Development becomes random because most structures already exist
 - B. Growth continues through repeated mitosis only
 - C. Structures mature, refine, and become functionally integrated
 - D. No further organization is required
5. How does the orderly growth and integration of body systems during prenatal development support survival after birth?