

Name:

Unit 3: Fertilization, Development, and Birth
Fertilization, Processes of Development, and Extraembryonic Membranes

1. What happens in fertilization?
2. Fertilization results in one cell with 46 chromosomes called a _____.
3. Before a sperm can fertilize an egg, it must undergo a process called _____, where the acrosome is activated.
4. What is the function of the acrosome (on the head of a sperm)?
5. What is the name of the jelly-like layer on the outside of the egg?
6. The follicle cells that get released with the egg becomes a layer called the _____.
7. What is polyspermy?
8. When a sperm touches an egg, what two things happen so that no other sperm can enter the egg?

9. What are the four processes of development?

10. What does morphogenesis mean?

11. What does differentiation mean?

12. Name the four extraembryonic membranes, and what will each of their functions (jobs) eventually be to help the growing embryo?