

LABORATORY OBJECTIVES—Lab #11

After completing the laboratory assignment, the student should be able to:

1. Describe the process of gametogenesis for male and female sex cells, indicating which cells are haploid and which are diploid.
2. Describe the process of fertilization on both the macroscopic and microscopic levels.
3. Identify the developmental structures produced in cleavage.
4. Describe the process of implantation.
5. List the three primary germ layers and identify the major organs that develop from each one.
6. Identify and give the function of each of the four embryological membranes, the allantois, amnion, chorion, and yolk sac.
7. Describe the development and function of the placenta.
8. Define the terms, embryo and fetus.