

Format: 7 multiple choice questions and 3 open ended questions

Concepts to Review:

- Asexual Reproduction
 - Be able to define the life function of *reproduction*.
 - Be able to explain why reproduction is important even though an individual can survive without reproducing.
 - Know the main differences between *asexual* reproduction and *sexual* reproduction.
 - Know why chromosomes are important, what they are made up of, and where they are found in the cell.
 - Be able to summarize the process of mitosis.
 - Be able to compare the number of chromosomes in a parent cell to the number in its daughter cells.
 - Be able to explain how cancer occurs.

- Sexual Reproduction
 - Be able to define the terms *gamete* and *zygote*, and identify the male and female gametes.
 - Be able to describe some ways in which *meiosis* is different from *mitosis*.
 - Know how to figure out the number of chromosomes in a gamete.
 - Know the structures and functions of the male and female reproductive systems in humans.
 - Be able to describe the roles of the hormones *testosterone*, *estrogen*, and *progesterone*.

- Development
 - Be able to define the term *differentiation*, and explain what happens to cells when they become differentiated.
 - Be able to explain how materials are exchanged between a pregnant woman and her fetus.
 - Be able to explain how a pregnant mother's behavior and environment can affect the development of the fetus.

Practice Quiz Questions:

- Visit the “Practice Exam Questions” page on the course website at www.spraguescience.com.
- Download the “Reproduction and Development – Exam” file and answer all practice questions in the file.
- Check your work by downloading the answer key.