

Format: 12 multiple choice questions and 2 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.
 - Be able to give some examples of asexual reproduction in various organisms (binary fission, budding, regeneration, spores, vegetative propagation).
- 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.

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 practice questions 1–42.
- Check your work by downloading the answer keys.