

Format: 11 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.

- 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.

Extra Credit:

A one-time-only opportunity to earn 2 extra credit points is available on this quiz. To receive the extra points, you must visit your teacher in his or her office and ask the teacher to record the meeting in their grade book. The meeting will only count as extra credit if it is during your OPTA (you may not attend while you are programmed to be in another class) or after school, and you must report BEFORE the date of the quiz.

First Quiz Warning:

In order to be prepared for the quiz, it is strongly recommended that you study your class notes (see the page “Suggested Study Strategies” on the course webpage) and practice with the questions on the “Practice Exam Questions” page.

Remember that all the quizzes and exams this semester are designed to help you prepare for the Regents Exam. ***It is important to your teachers that you put a significant amount of time (at least two hours of studying) to be ready for this quiz.***