

Name _____ Date _____ Per _____

Chapter 13 Genetic Engineering Study Guide

Section 1

- Selective breeding
 - Why its done/what it produces
- Inbreeding
 - Why it's done?
 - What are the dangers?
- What is a hybrid? In general, what are the characteristics of a hybrid?
- How can scientists induce variations?
 - What kinds of organisms have been produced using this method?
- What is the ultimate source of genetic variation?
- What is polyploidy?

Section 2

- What are restriction enzymes? How do they work?
- What are stick ends?

Know everything about gel electrophoresis

- What is the function of gel electrophoresis?
- Why does DNA move to the positive end of a gel electrophoresis apparatus?
- How are the results of DNA gel electrophoresis used?
- What is polymerase chain reaction used for?

Section 3

Genetic Engineering Study Guide Answer Key

Xiaolong Qi



Genetic Engineering Study Guide Answer Key:

Study Guide Kelly Bouas-Henry, 2005 By Kelly Bouas Henry Missouri Western State College and Douglas A Bernstein the Study Guide employs numerous techniques to help students learn Each chapter including the optional Industrial Organizational Psychology chapter contains a detailed outline a key terms section that presents fresh examples and learning aids plus a fill in the blank test learning objectives a concepts and exercises section that shows students how to apply their knowledge of psychology to everyday issues and concerns a critical thinking exercise and personal learning activities In addition each chapter concludes with a two part self quiz consisting of 40 multiple choice questions An answer key tells the student not only which response is correct but also why each of the other choices is wrong and quiz analysis tables enable students to track patterns to their wrong answers either by topic or by type of question definition comprehension or application

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