

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 Key

Rachel S Tattersall



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