

Name: _____

Genetic Engineering – Practice what you know

1. In which 2 ways can we "change" the genome of an organism? _____ *We can delete or add genes to the genome of an organism.*
2. What is a **transgenic** organism? _____ *An organism with a gene from a different species.*
3. What is a **clone**? _____ *Genetically identical organism.*

Tools : Cutting the DNA

4. What is a **restriction enzyme**? _____ *An enzyme that cuts DNA at specific locations.*
5. What does this figure to the right show?
- a. gel electrophoresis
 - b. DNA sequencing
 - c. **a restriction enzyme producing a DNA fragment**
 - d. polymerase chain reaction



- Between which nucleotides is the DNA cut?
- a. adenine and thymine
 - b. cytosine and guanine
 - c. thymine and cytosine
 - d. **adenine and guanine**

----This is the cutting pattern of 2 restriction enzymes:----



6. Cut the following piece of DNA using the **restriction enzyme Eco R1**.

**GCCCGGGGCATG|AATTCGCGTATCGTG|AATTCTGGGCCCATCAG|AATTCAA
CGGGCCCCGTACTTAA|GCGCATAGCACTTAA|GACCCGGGTAGTCTTAA|GTT**

7. How many fragments of DNA do you get? _____ *4*

Genetic Engineering Open Test Answer Key

Committee on Science and Technology

Genetic Engineering Open Test Answer Key:

This book delves into Genetic Engineering Open Test Answer Key. Genetic Engineering Open Test Answer Key is a vital topic that must be grasped by everyone, ranging from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Genetic Engineering Open Test Answer Key, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Genetic Engineering Open Test Answer Key
- Chapter 2: Essential Elements of Genetic Engineering Open Test Answer Key
- Chapter 3: Genetic Engineering Open Test Answer Key in Everyday Life
- Chapter 4: Genetic Engineering Open Test Answer Key in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, this book will provide an overview of Genetic Engineering Open Test Answer Key. This chapter will explore what Genetic Engineering Open Test Answer Key is, why Genetic Engineering Open Test Answer Key is vital, and how to effectively learn about Genetic Engineering Open Test Answer Key.

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6. In chapter 5, the author will draw a conclusion about Genetic Engineering Open Test Answer Key. The final chapter will summarize the key points that have been discussed throughout the book.

This book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Genetic Engineering Open Test Answer Key.

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Genetic Engineering Open Test Answer Key Introduction

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