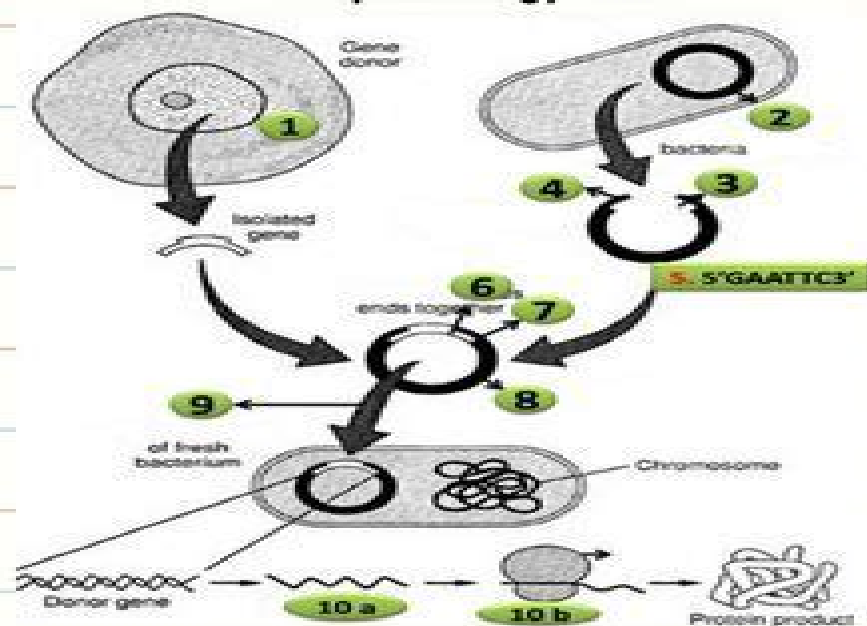


Recombinant DNA (rDNA) Technology Worksheet

CHECK HOW MUCH YOU KNOW ABOUT R-DNA TECHNOLOGY?

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1. The first step in rDNA technology, labelled 1 is
2. It is double stranded, self replicating, circular DNA molecule present in bacteria which is widely used as a gene cloning vector. The structure labelled 2 in the figure is
3. These enzymes are called as molecular scissors which is essential for making internal cuts in a DNA molecule or vector at specific sites. The enzyme used in making cut in the vector (labelled 3) is
4. The cut by the enzyme in the vector (labelled 4) creates single stranded unpaired regions of DNA. This type of cut pattern is called as.....
5. 5'GAATTC3' is a restriction site of a widely used restriction enzyme which produces sticky ends. The enzyme is.....
6. In the figure labelled 6, the DNA strand is the
7. This enzyme is called as molecular glue which is used to join two DNA strands by forming phosphodiester bond. The joining enzyme labelled 7 is
8. The vector (plasmid) with foreign gene inserted is called (labelled 8)
9. The figure labelled 9 is the process of introducing recombinant vector into a suitable host like bacterium. The process is called
10. In the figure, 10 a and 10 b are processes that lead to the formation of protein product encoded by the gene of interest. 10 a and 10 b are

Check your answers @ <http://www.quizbiology.com/2015/07/diagram-quiz-on-steps-in-recombinant.html>

Recombinant Dna Genetic Engineering Worksheet

James D. Watson



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Chapter Resource 11 Gene Technology Biology Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2004

NEET Foundation Handbook of Cell Biology Chandan Sengupta, This hand book is meant for students having a plan for preparing Pre Medical Board Examinations and also a plan for optng competitive examinations like NEET BDS and other

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Table of Contents Recombinant Dna Genetic Engineering Worksheet

1. Understanding the eBook Recombinant Dna Genetic Engineering Worksheet
 - The Rise of Digital Reading Recombinant Dna Genetic Engineering Worksheet
 - Advantages of eBooks Over Traditional Books
2. Identifying Recombinant Dna Genetic Engineering Worksheet
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Recombinant Dna Genetic Engineering Worksheet
 - User-Friendly Interface
4. Exploring eBook Recommendations from Recombinant Dna Genetic Engineering Worksheet
 - Personalized Recommendations
 - Recombinant Dna Genetic Engineering Worksheet User Reviews and Ratings
 - Recombinant Dna Genetic Engineering Worksheet and Bestseller Lists
5. Accessing Recombinant Dna Genetic Engineering Worksheet Free and Paid eBooks
 - Recombinant Dna Genetic Engineering Worksheet Public Domain eBooks
 - Recombinant Dna Genetic Engineering Worksheet eBook Subscription Services
 - Recombinant Dna Genetic Engineering Worksheet Budget-Friendly Options
6. Navigating Recombinant Dna Genetic Engineering Worksheet eBook Formats
 - ePub, PDF, MOBI, and More
 - Recombinant Dna Genetic Engineering Worksheet Compatibility with Devices
 - Recombinant Dna Genetic Engineering Worksheet Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Recombinant Dna Genetic Engineering Worksheet
 - Highlighting and Note-Taking Recombinant Dna Genetic Engineering Worksheet
 - Interactive Elements Recombinant Dna Genetic Engineering Worksheet

8. Staying Engaged with Recombinant Dna Genetic Engineering Worksheet
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Recombinant Dna Genetic Engineering Worksheet
9. Balancing eBooks and Physical Books Recombinant Dna Genetic Engineering Worksheet
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Recombinant Dna Genetic Engineering Worksheet
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Recombinant Dna Genetic Engineering Worksheet
 - Setting Reading Goals Recombinant Dna Genetic Engineering Worksheet
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Recombinant Dna Genetic Engineering Worksheet
 - Fact-Checking eBook Content of Recombinant Dna Genetic Engineering Worksheet
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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