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9. Smaller fragments of DNA move \_\_\_\_\_  
that longer strands. 10. Why do you  
need to place a nylon membrane over  
the gel? \_\_\_\_\_ 11. Probes attach  
themselves to \_\_\_\_\_ 12. Which chemical  
in your "Virtual Lab" is radioactive? \_\_\_\_\_  
13. Sketch your DNA Fingerprint in the  
box to the right. 14.

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## **DNA FINGERPRINTING PRACTICE**

Biology. 72% average accuracy. 3 years ago. biogirl829. 0. Save. Edit. Edit. ... answer choices . precisely by both size and charge. approximately by size and charge. ... When making a DNA Fingerprint, which molecule is used to cut DNA into DNA fragments? answer

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choices . DNA helicase.

## **DNA Technology and Fingerprinting | Genetics Quiz - Quizizz**

Multiple Choice Quiz on DNA

fingerprinting; Answers: 1.c) Alec Jeffrey

2.d) All of these 3.c) Difference in junk

DNA patterns between individuals 4.c)

Short Non-coding repetitive sequences

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present throughout the chromosome  
5.d) all of these

## **Multiple Choice Questions on DNA Fingerprinting or DNA ...**

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Answers PRACTICAL DNA GEL ... forensic  
dna fingerprinting Biotechnology  
Explorer™ ...

## **Biotechnology Explorer Forensic Dna Fingerprinting Kit ...**

A DNA fingerprinting is a DNA pattern

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that has a unique sequence such that it can be distinguished from the DNA pattern of other individuals.

## **How is DNA fingerprinting biotechnology? - Answers**

★★★ Correct answer to the question: What is one thing PCR is used for in biotechnology? \* A. Cloning B.

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Genetically Modified Organisms C. DNA  
Fingerprinting - edu-answer.com

**What is one thing PCR is used for in  
biotechnology? \* A ...**

biology of the gene seventh edition.

massachusetts Laboratory 11 Dna

Biology And Technology Answers DNA

Fingerprinting Lab 1: Genomic DNA

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Isolation & PCR Part 1: DNA Isolation

DNA can be obtained from almost any tissue or biological fluid that is left at a crime scene. A hair, blood, and saliva are all possible sources

## **Biology Lab Answers For Dna Fingerprinting**

Bromophenol blue, the “faster” dye,

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comigrates with DNA fragments of approximately 500 bp in a 1% agarose gel, while the xylene cyanol, the “slower” dye, comigrates with DNA fragments of approximately 4,000 bp in a 1% agarose gel. Staining the DNA pinpoints its location on the gel.

### **Bio-Rad Explorer Forensic DNA**

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Gel electrophoresis is used to create a unique DNA fingerprint composed of different-sized DNA fragments. What are the molecules responsible for cutting DNA into fragments of different sizes prior to running gel electrophoresis?

## **Biotechnology Flashcards -**

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Biotechnology: Principles and Processes  
Class 12 Biology MCQs Pdf. Question 1.

Process used for amplification or  
multiplication of DNA in DNA  
fingerprinting is (a) polymerase chain  
reaction (b) southern blotting (c)  
northern blotting (d) none of these.

Answer: (a) polymerase chain reaction.

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Question 2.

## **Biology MCQs for Class 12 with Answers Chapter 11 ...**

1. Isolate genomic DNA from the crime scene and from the suspects. 2. Amplify (make many copies of) a polymorphic region of the DNA using a technique called polymerase chain reaction (PCR).



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3. Treat the DNA obtained in step 2 with enzymes called restriction endonucleases which will cut the DNA into smaller fragments. 4.

## **DNA Fingerprinting lab - Augusta University**

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Multiple Choice Questions for Class 12

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with Answers Chapter 11 Biotechnology: Principles and Processes. Biology MCQs for Class 12 Chapter Wise with Answers PDF Download was Prepared Based on Latest Exam Pattern. Students can solve NCERT Class 12 Biology Biotechnology: Principles and Processes MCQs Pdf with Answers to know their preparation level.

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## Fingerprinting Bing **Biology MCQs for Class 12 with Answers Chapter 11 ...**

To perform DNA fingerprinting, DNA is obtained from an individual's blood cells, hair fibers, skin fragments, or other tissue. The DNA is then extracted from the cells and digested with enzymes. The resulting fragments are separated by a process called electrophoresis, in

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which electrical charges separate DNA fragments according to size. The separated DNA fragments are then detected with DNA probes and used to develop a fingerprint.

## **DNA Fingerprinting - CliffsNotes**

CREATING A DNA FINGERPRINT FROM A  
CRIME SCENE SAMPLE Forensic DNA fi

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ngerprinting begins with the legal collection of biological evidence (often present as a stain) from the crime scene or victim. The sample is treated with a detergent to rupture (lyse) cell membranes, and the cellular DNA is extracted for further analysis (Figure 3).  
After

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## Fingerprinting Bina

### **DNA Fingerprinting Using PCR**

can be combined to obtain a DNA fingerprint. Principles of restriction analysis, plasmid mapping and DNA fragment size determination can also be documented with this kit. Open the door to rich discussions about scientific, ethical, and legal implications of DNA profiling. DNA fingerprinting is used in

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medical and forensic procedures, as well as in

## **Biotechnology Explorer™ Forensic DNA Fingerprinting Kit**

DNA Fingerprinting Storage: See Page 3 for specific storage instructions

Experiment Objective: The objective of this experiment is to perform PCR-based

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DNA fingerprinting on actual DNA samples that are cloned in plasmids and to understand the concept of this technology as applied to forensic science. The Biotechnology Education Company ®

## **PCR-based DNA Fingerprinting - EDVOTEK**



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Play this game to review Biology. Which of the following monomers are repeatedly joined together to form a strand of DNA? ... answer choices . Gel Electrophoresis. Fingerprinting. Cloning. DNA Extraction. Tags: Question 3 . SURVEY . 60 seconds . Q. In a DNA fingerprint, lighter-weight fragments can be found at the: answer choices . Top.

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## **DNA Fingerprinting & Gel Electrophoresis Quiz - Quizizz**

DNA Fingerprinting- also called DNA profiling, is a forensic detection technique used to identify individuals by the characteristics of their DNA profile. The technique of DNA fingerprinting was

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## Fingerprinting Bing

developed by Alec Jeffreys in 1984.

Learn more: Detailed Method of DNA  
Fingerprinting with Restriction Enzymes

### **Biotechnology Introduction MCQ with Answers | Easy Biology ...**

Alec Jeffreys - A British geneticist who  
discovered the process of DNA  
Fingerprinting in 1985 at The University

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of Leicester Amplified - to make larger, greater, stronger or louder Biological Materials - blood, semen, vaginal secretions, hair follicles, saliva, body tissue cells, bone - any material that comes from a living organism

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