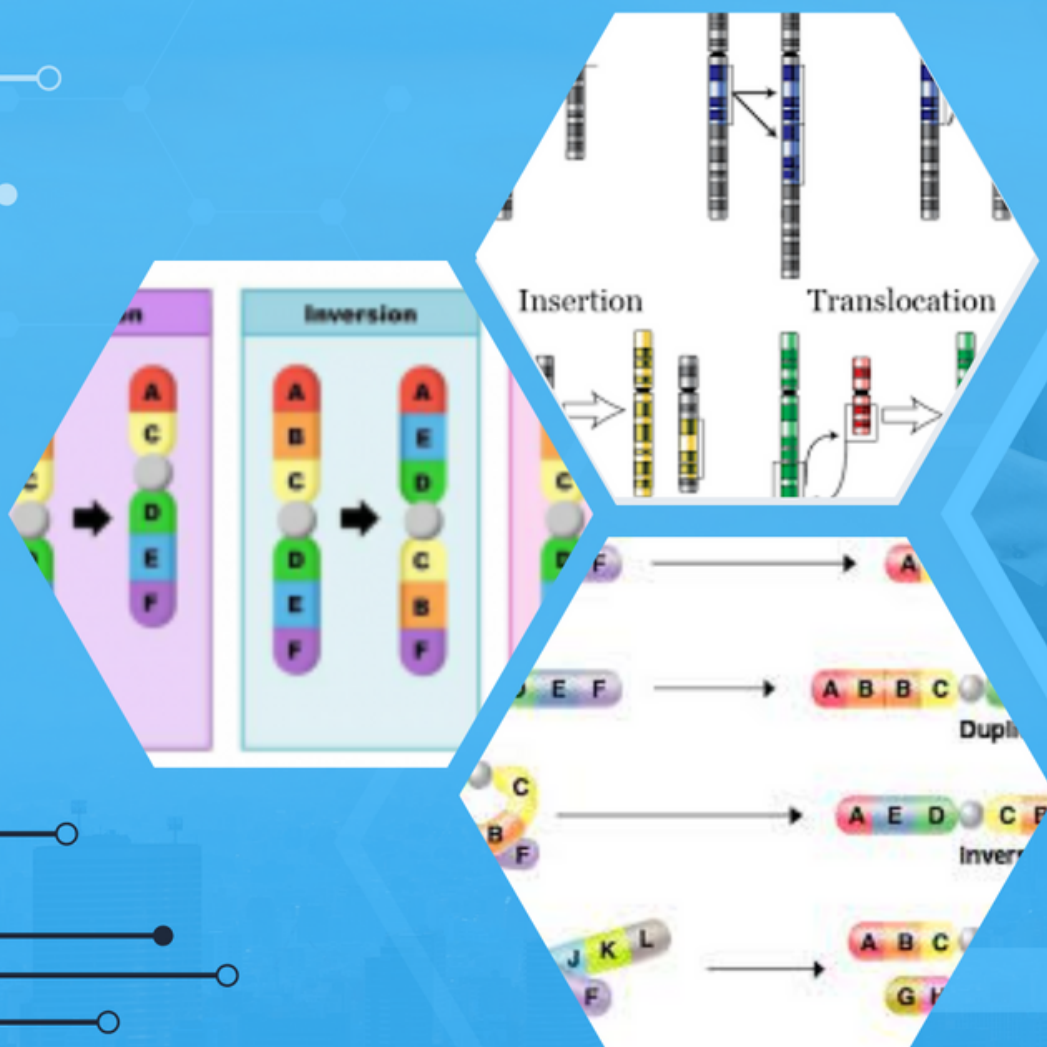




FSI Courses

Learning for Mastery Begins Here.



FSI CHEMISTRY:

CHROMOSOME MUTATIONS MADE EASY LESSON

**A SIMPLIFIED LESSON EBOOK WITH A BELL RINGER,
MINI-LESSON, WORK SESSION, AND CLOSING
DESIGNED TO HELP YOU MASTER YOUR KNOWLEDGE
AND UNDERSTANDING OF CHROMOSOME MUTATIONS
& THEIR IMPACTS ON THE HUMAN BODY.**

TABLE OF CONTENTS

- 2 Table of Contents
- 3 Bell Ringer - Cloze Reaed - 10 min
- 4 Mini Lesson - Mutations Review - 5 min
- 5 Work Session - Mutations Folders - 40
- 6 Work Session - Mutations Folders
- 7 Closing - Gallery Walk/Exit Ticket - 20
- 8 About the Authors Contact Page

BELL RINGER - 10 MIN

Complete the Cloze Read in fsicourses.net

Chromosome Mutations Cloze Read

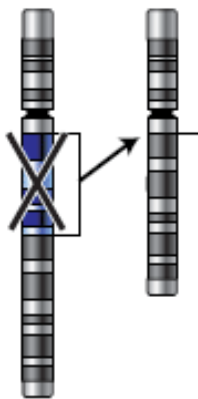
Log in and complete the cloze read:

- 1. fsicourses.net**
- 2. VIP Biology Course 2**
- 3. Lesson 2.2 Genetic Mutations**
- 4. b. Human Genetic Disorders**
- 5. Scroll down until you see the Chromosome Mutations Cloze Read**

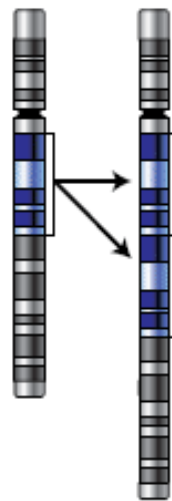
MINI LESSON - CHROMOSOME MUTATIONS REVIEW - 5 MIN

Chromosome mutations are a type of mutation involving alteration of a large portion of a chromosome instead of just one gene like in gene mutations.

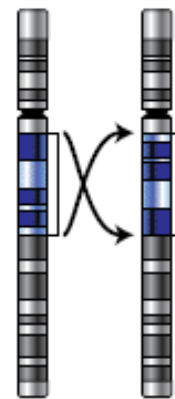
Deletion



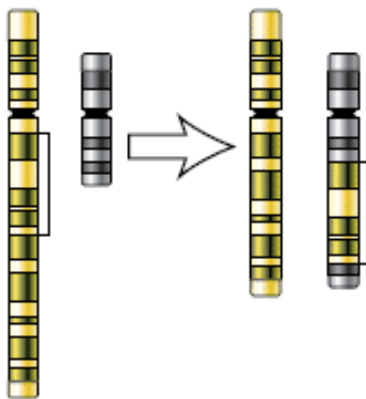
Duplication



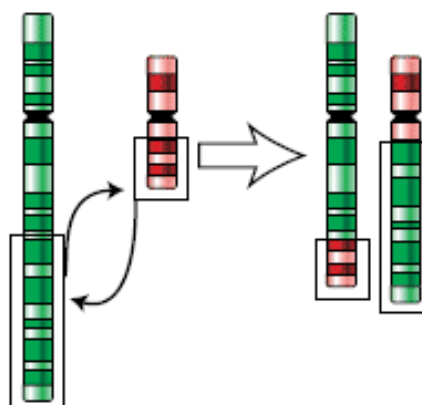
Inversion



Insertion



Translocation



WORK SESSION - CHROMOSOME MUTATIONS FOLDERS - 40 MIN

Work individually to complete your chromosome mutations info folders.

Log in to fsicourses.net to access guide for completing activity:

- 1. fsicourses.net**
- 2. VIP Biology Course 2: Cellular Genetics & Heredity**
- 3. 2.2 Genetic Mutations**
- 4. b. Human Genetic Disorders**
- 5. 'Chromosome Mutations Info Folders'**

WORK SESSION - CHROMOSOME MUTATIONS FOLDERS LAYOUT

Research the diseases that are caused by your selected chromosome mutations, as well as visuals of your selected chromosome mutation diseases. Draw at least 2 visuals and label.

Definition of Chromosome Mutation	Diseases Caused by...(<u>What ever</u> mutation your teacher assigned you)
Visual of Mutation Using Popsicle Sticks	Visual of Diseases (2 visuals minimum)

CLOSING - GALLERY WALK - 20

Complete the chromosome mutations gallery walk by analyzing your classmates chromosome mutations info folders and recording the necessary information on your chromosome mutations gallery walk data table.

Exit Ticket:

What evidence can you provide to support the claim that chromosome mutations can lead to genetic defects, diseases, and/or disorders?

ABOUT THE AUTHORS



Chivas & Jordan Spivey

We are a father and son duo that began our journey of helping young men and women in their educational pursuit of greatness over 10 years ago. Since then we have made numerous educational activities. Everything from fun interactive labs, a resource website for teachers and students, over 200 Youtube science videos, and even an educational science cartoon video series. Our goal is to streamline and simplify science concepts to help the young minds of today apply their scientific knowledge and know how to bring greatness to their bright and promising future!

Click the following link to contact us and get more information

Chivas Spivey

CLICK HERE!