

Registering for MasteringGenetics™

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Mendel's Law of Segregation

Item Type: Tutorial | Difficulty: -- | Time: <1m | [Contact the Publisher](#)

When an F_1 plant undergoes meiosis, what gamete types will it produce, and in what proportions?

Use your understanding of Mendel's Law of Segregation to label each gamete possibility as "correct" or "incorrect".

Gamete Possibilities		Correct or Incorrect?
a. $\frac{3}{4}$ G	$\frac{1}{4}$ g	<input type="text" value="correct"/>
b. $\frac{1}{2}$ G	$\frac{1}{2}$ g	<input type="text" value="correct"/>

1 2 3 4 5 6

Mendel's Law of Segregation - Window...

<http://session.masteringbiology.com/myct/ItemWork?>

gamete types will it produce, and in what proportions?

Hint 1. How do alleles segregate during gamete formation?

Open

Hint 2. Does allele segregation determine gamete frequencies (i.e., proportions)?

Open

Tutorials and Coaching

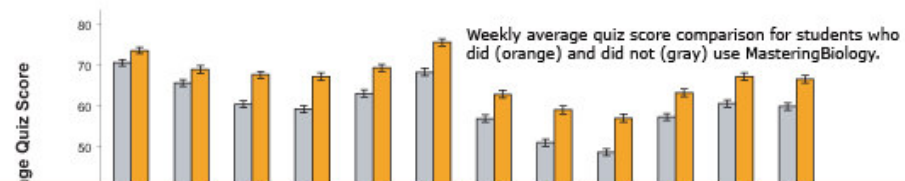
MasteringGenetics allows students to learn science by practicing science, emulating the one-on-one office hour environment.

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Hint 1. How do alleles segregate during gamete formation? [Open](#)

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Tutorials and Coaching

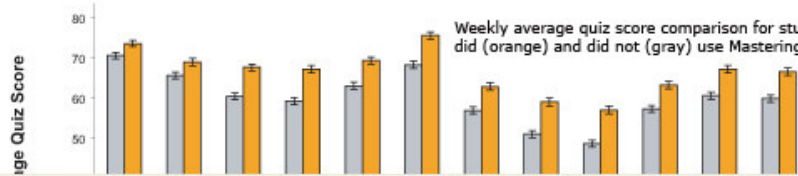
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Weekly average quiz score comparison for students who did (orange) and did not (gray) use MasteringBiology.



Week	Did not use MasteringBiology (Gray)	Used MasteringBiology (Orange)
1	71	74
2	66	70
3	61	68
4	60	68
5	64	70
6	69	76
7	58	63
8	51	60
9	49	58
10	58	64
11	61	68
12	60	67
13	61	68
14	61	68

Step 1: Do you have an access code?

An access code is a 6-part code. Here is an example of what an access code looks like:

QUAYS-THUMB-PIPES-TRAWL-NOMAD-KNEAD

NOTE: *Your text/package may have included a MasteringGenetics access code, or you may have purchased a code separately at your bookstore. If not, you can purchase access online at www.masteringgenetics.com.*



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Step 1: Do you have an access code?

A student access code is a printed code supplied inside the MasteringGenetics Student Access Kit (and sometimes by other means.) If your instructor requires you to use MasteringGenetics, a student access kit may have been included with the purchase of your new textbook.

☐ Yes, I have an access code. ☐ No, I need to purchase access online now.

Example

SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES

your access code may look like this

If you DO have an access code,
click **Yes** and **Continue**

Continue »

SKIP THIS SLIDE if you already have an access code.



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Example

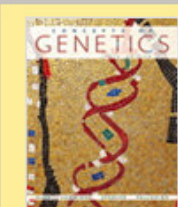
SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES

your access code may look like this

Step 2: Tell us which book you're using:

Click to select:

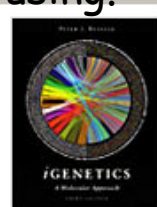
If you DO NOT have an access code, click **No**, then select the book you are using.



Klug / Cummings /
Spencer / Palladino,
Concepts of Genetics,



Klug / Cummings /
Spencer / Palladino,
Concepts of Genetics,



Russell, iGenetics: A
Molecular Approach,
3e



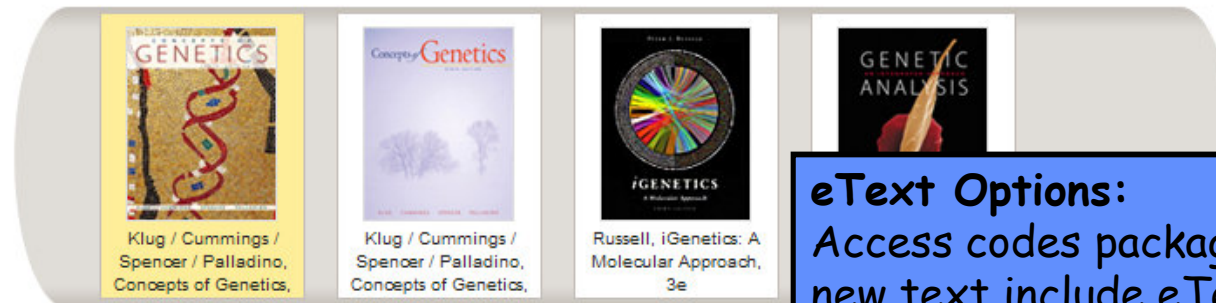
Sanders/Bowman,
Genetic Analysis: An
Integrated Approach

SKIP THIS SLIDE if you already have an access code.

Step 2: Tell us which book you're using:

Click to select:

In U.S. & Canada | [Outside U.S. & Canada](#)



You selected:

Klug / Cummings / Spencer / Palladino, Concepts of Genetics, 10e

Step 3: eText Options

Would you also like to buy access to the [eText](#) (online version)?

- ☐ Yes, please include the eText with my MasteringGenetics subscription. (Price will be shown before purchase.)
- ☒ No, thanks.

[Continue »](#)

Select **Yes** or **No** and click **Continue**

eText Options:

Access codes packaged with a new text include eText access. You can purchase access to the eText at this time or you can upgrade to the eText later.

Price will be shown before purchase.

By registering to use a Pearson Education online learning system, I certify that I have read and agree to the **Pearson License Agreement** and the **Pearson Privacy Policy**.

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[I Accept ▶](#)

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Select:

•No if this is your first Pearson product.

•Yes if you have another Pearson Account

•Not Sure

Access Information

* Fields are required [Video Tutorial](#) [Help](#) ?

Do you have a Pearson Education account? ?

☐ Yes

☒ No

* Create a Login Name

chrispearson

Check Availability

Create a login name and password. Choose something that is easy to remember.

It is recommended that you use your email address. It must be at least four characters. [See acceptable characters.](#)

* Create a Password

●●●●●●●●

Strength: Excellent

Your password cannot be the same as your login name.

Create a password. It must be at least 8 characters with at least one letter and one number. [See acceptable characters.](#)

* Re-type your Password

●●●●●●●●

☐ Not Sure

Create a Login Name and Password Confirm Password.

Access Code

Enter your access code.

* Access Code

SIMPLE - FRILL - TONLE - WEIRS - CHOIR - FLEES

Switch to a single box for pasting your access code

Example
SIMPLE-FRILL-TONLE-WEIRS-CHOIR-FLEES

Enter your 6-part Access Code HERE

Click Next

Cancel

Next ▶



Steps to Register



Access
Information



Account
Information



Confirmation
& Summary

Account Information

* Fields are required

[Video Tutorial](#)



[Help](#)



MasteringMicrobiology - Student

Personal Information



* First Name

Chris

* Last Name

Pearson

Instructors might send course information to your email address. Important subscription and system information will also be sent to you.

* Email Address

chris.pearson@gmail.com

Enter a valid email address. [See acceptable characters.](#)
[Don't have an email address?](#)

Enter First Name, Last Name, and Email Address

* Re-type Your Email Address

chris.pearson@gmail.com

School Location



* School Country

United States

* School Zip or Postal Code

10010

[Need help finding your school's Zip or Postal code?](#)

Enter School Country, Zip Code, School Name

* School Name

NEW YORK UNIVERSITY

Select the name of your school from the list. If your school is not listed, select "Other" at the bottom of the list.

Select a **Security Question** and answer

it.

Security Question ?

If you contact us, we will ask you this question to confirm your identity.

*** Security Question**

What town was I born in? ▼

*** Your Answer**

Boston

May we contact you? ?

☒ Let me know about other Pearson Education products and services to help me succeed.

◀ Back Cancel Next ▶

Click **Next**

For online purchase, you will need a major credit card.

SKIP THIS SLIDE if you are NOT purchasing access online.

PEARSON Steps to Register





☒ Product Selection ☒ Account Information ☐ Payment Information ☐ Confirmation & Summary


Payment Information

* Fields are required [Video Tutorial](#) [Help](#)

Item(s) for Purchase	Quantity	Price
Bauman, Microbiology with Diseases by Body System 2e - OLP without eText	1	\$35.00 USD
Coupon Code <input type="text"/>		<input type="button" value="Update"/>
Appropriate sales tax will be applied		Merchandise Subtotal \$35.00 USD

Enter Payment Information

☐ Pay by Credit Card    

☐ Pay with PayPal 


*Cardholder's Name

*Credit Card Number


*Expiration Date Month Year


*Name on PayPal Account


CONGRATULATIONS!
You have successfully registered for MasteringGenetics.



Steps to Register

 Access Information

 Account Information

 Confirmation & Summary

Confirmation & Summary

Print This Page

You have subscribed to a Pearson Education online product. Please [print this page](#) as your receipt. You will also receive a confirmation email for your records.

You now have access to...?

MasteringMicrobiology

Log In Now

Click Log In Now

If you need to review or edit your account information, visit your [Account Summary](#) page.

Role: Student	Account ID: 25814911
Expiration Date: Jan 8, 2011	Order ID: 48649187
Section or Module: MasteringMicrobiology	Login Name: c@c.com

About Your Transaction?

If you have any problems logging into or using this site, please contact [Customer Technical Support](#). If you need to review or edit your account information, visit your [Account Summary](#) page.

Transaction Date: Thu Jul 08 15:17:05 EDT 2010
Order ID: 48649187
Email Address: c@c.com

Welcome to MasteringMicrobiology

Join Your Online Course

Did you receive a Course ID from your instructor?

☒ Yes ☐ No

[What's a Course ID?](#)

Please enter the Course ID provided by your instructor:

MMBSMITH12345

Continue

If you received a Course ID from your instructor, click **Yes**, enter your Course ID and click **Continue**.

If you DO NOT have a Course ID, follow the instructions on the NEXT slide.

Welcome to MasteringMicrobiology

Join Your Online Course

Did you receive a Course ID from your instructor?

☐ Yes ☒ No

[What's a Course ID?](#)

Click **No** if you DO NOT have a Course ID from your instructor.
(You can join your course later.)

Please select a book to enter the study area for that course. You will have the opportunity to add a course ID later since you don't have one right now.

[Don't see your textbook listed?](#)

Select a Textbook

Select a Textbook

Bauman, Microbiology with Diseases by Body Systems, 2e

Bauman, Microbiology with Diseases by Taxonomy, 3e

Tortora/Funke/Case, Microbiology: An Introduction, 10e

[Continue](#)

Select your textbook from the drop-down menu and click **Continue**.

Welcome to MasteringMicrobiology

Your Student ID

Please enter your Student ID:

Don't know what to enter? Contact your instructor for help.

[Continue](#)

[Skip This Step](#) (You can enter this later.)

Your instructor may provide specific instructions for completing this field. If so, enter the appropriate information and click **Continue**.

If you are not sure what to enter, contact your instructor or click **Skip This Step**.

(You can enter your Student ID later.)

Your MasteringGenetics homepage will look similar to this:

MasteringMICROBIOLOGY™

Logged in as [c.c](#) | [Help](#) | [Log Out](#)

Introduction to Microbiology - Fall 2010

[My Courses](#) | Course ID: MMBSMITH12345 | Course Ends: 12/31/10

Microbiology: An Introduction, 10e
Tortora/Funke/Case

Course Home | **Assignments** | **Scores** | **eText** | **Study Area**

Announcements

SUBJECT	DATE/TIME
Welcome to MasteringMicrobiology	12/15/10 1:15am

Showing 1 of 1 - [View All](#)

Assignments Due Soon (in the Next 7 Days)

TITLE	DUE DATE/TIME
You have no assignments due soon.	

[View All](#)

Learn More

- [Getting Started](#)
- [FAQs](#)
- [Five Ways to Improve Your Grade](#)
- [Tutoring Services](#)

Tips to improve your grade!

Click here to access the **Study Area**

Click here to access the **eText**

Click here to **View Assignments**

If you DID NOT enter a Course ID during registration, your MasteringGenetics welcome screen will look like similar to this.

The screenshot shows the MasteringMicrobiology interface. At the top left is the logo "MasteringMICROBIOLOGY". At the top right, it says "Logged in as C C" with links for "Help" and "Log Out". The main heading is "Welcome to MasteringMicrobiology". Below this are three buttons, each with a right-pointing arrow icon:

- Launch Your eText**
Creating notes and bookmarks, highlighting or hiding text are just a few ways you can customize the online version of your textbook.
- Explore the Study Area**
MasteringMicrobiology provides students with access to a wealth of book-specific self-study resources which they can use whether or not their instructor assigns homework.
- Join a Course**
If your instructor gave you a course ID, click here to join a course so you can access assignments, messages from your instructor, and more.

A callout box on the right contains the text: "Click **Join a Course** and enter your Course ID to access your assignments, messages from your instructor, and more." An arrow points from this box to the "Join a Course" button.

Introduction to Microbiology - Fall 2010

[My Courses](#) ▾ | Course ID: MMBSMITH12345 | Course Ends: 12/31/10

Course Home

Assignments

Scores

eText

Study Area

Announcements

SUBJECT	DATE POSTED
Welcome to MasteringMicrobiology NEW	06/30/10 at 11:15am
Showing 1 of 1 - View All	

Assignments Due Soon (In the Next 7 Days)

TITLE	DUE DATE/TIME
Introduction to MasteringMicrobiology	07/04/10 at 12:00pm
View All	

Click **Introduction to MasteringMicrobiology** to learn how to use the program.

Introduction to MasteringMicrobiology

Resources ▾

Help

Close



Introduction to MasteringMicrobiology

Due: 12:00pm on Sunday, July 4, 2010

Note: You will receive no credit for late submissions. To learn more, read your instructor's [Grading Policy](#)

[\[Print View\]](#)

A Message from Your Instructor:

The purpose of the following exercises is to familiarize you with the system you will be using for the rest of your course. These exercises are not intended to teach or test your knowledge of any specific subject material. Therefore, you will not be penalized for using hints or submitting incorrect answers.

[Welcome to Mastering Questions](#) is for 1 point(s) (full credit)

Incomplete

Click Welcome to Mastering Questions

[Introduction to your Study Area and eText](#) is for 1 point(s) (full credit)

Incomplete

[Introduction to Multimedia in Mastering](#) is for 1 point(s) (full credit)

Incomplete

These items will explain how to navigate in the program, how to submit your answers, and how you can expect to be graded.

[Introduction to Vocabulary, Labeling, Sorting, and Ranking Questions](#) is for 1 point(s) (full credit)

Incomplete

Additional Resources

Welcome to Mastering Questions

Return to [Introduction to MasteringMicrobiology](#) Previous | 1 of 4 | Next

Welcome to Mastering Questions

Welcome to Mastering!

Mastering presents homework items assigned by your instructor and works with you to answer them. Items typically have an introduction, possibly figures, and one or more parts for you to answer.

Part A Part B

Part A

([Part A figure](#))

(The link above tells you that this Part has an illustration.)

How many months of the year have 28 days?

☐ 1
☐ 2
☒ 12
☐ It depends on whether or not it is a leap year.

Correct

submit my answers show answer review part

What you are reading now is called a "follow-up comment." These comments typically offer more information or provide an interpretation of the answer you just obtained.

Before you move on to a slightly more challenging question, have a quick look at the other buttons available around the answer box

answer to the question if you can't figure out the answer. Your instructor controls whether or not this button is available. If it is available, you will see the **give up** button instead.

- my answers** brings up a new window that lists all of the answers you have submitted this question, along with any helpful feedback you received for incorrect submissions.


Read the question and answer all parts as instructed

The **Study Area** provides abundant self-study material.

Select self-study resources from the menu on the left side of the page.

The screenshot displays the Pearson Higher Education website for the textbook 'Concepts of Genetics' (Tenth Edition) by Klug, Cummings, Spencer, and Palladino. The top navigation bar includes links for Home, FAQs, Tech Support, System Requirements, Feedback, PearsonHigherEd.com, and Credits. The main header features the book title 'CONCEPTS OF GENETICS' and the authors' names. Below the header, a search bar is set to 'Chapter 3: Mendelian Genetics' with a 'GO' button. A left sidebar titled 'Study Area' contains a menu with the following items: Chapter Guide (highlighted), Practice Test, Word Study Tools, In the News, Exploring Genomics, Web Activities, MySearchLab, and Genetics, Technology, and Society. The main content area, titled 'Chapter Guide', contains the text: 'The Practice Test will test your knowledge on the content in the textbook chapter.' Below this, a section labeled '1 Key Concepts' lists eight topics, each with a book icon and a link: 3.1 Mendel Used a Model Experiment Approach to Study Patterns of Inheritance; 3.2 The Monohybrid Cross Reveals How One Trait Is Transmitted from Generation to Generation (with a 'Web Activity: Monohybrid Cross and Punnett Squares' link); 3.3 Mendel's Dihybrid Cross Generated a Unique F2 Ratio (with a 'Web Activity: Independent Assortment' link); 3.4 The Trihybrid Cross Demonstrates That Mendel's Principles Apply to Inheritance of Multiple Traits; 3.5 Mendel's Work Was Rediscovered in the Early Twentieth Century; 3.6 Independent Assortment Leads to Extensive Genetic Variation; 3.7 Laws of Probability Help to Explain Genetics Events; and 3.8 Chi-Square Analysis Evaluates the Influence of Chance on Genetic Data. The bottom of the page shows a taskbar with an 'Internet' icon.

Return to www.masteringgenetics.com for future login.

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Password:

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Mendel's Law of Segregation

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When an F_2 plant undergoes meiosis, what gamete types will it produce, and in what proportions?

Use your understanding of Mendel's Law of Segregation to label each gamete possibility as "correct" or "incorrect".

Gamete Possibilities	Correct or Incorrect?
a. $\frac{3}{4}$ G $\frac{1}{4}$ g	<input type="text" value="correct"/>
b. $\frac{1}{2}$ G $\frac{1}{2}$ g	<input type="text" value="correct"/>

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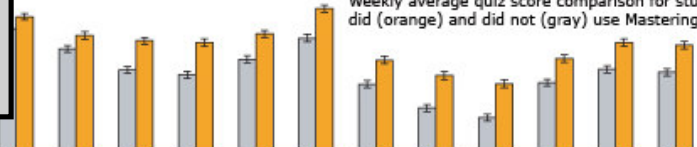
[Learn More](#)

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- [Make sure your student is registered for class](#)
- [Register for online](#)

Enter your Login Name and Password.
Click Log In

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Log In

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Mendel's Law of Segregation

Item Type: Tutorial | Difficulty: -- | Time: <1m | [Contact the Publisher](#)

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Use your understanding of Mendel's Law of Segregation to label each gamete possibility as "correct" or "incorrect".

Gamete Possibilities		Correct or Incorrect?
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b. $\frac{1}{2}$ G	$\frac{1}{2}$ g	<input type="text" value="correct"/>

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Hint 1. How do alleles segregate during gamete formation?

Open

Hint 2. Does allele segregation determine gamete frequencies (i.e., proportions)?

Open

Tutorials and Coaching

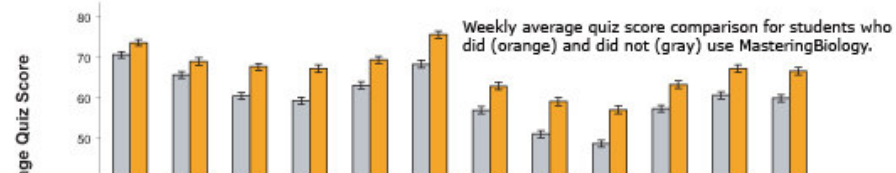
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>> [Register for online training session](#)



required text:

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