

GENETICS: X LINKED GENES

****In fruit flies, eye color is a sex linked trait. Red is dominant to white ****

1. What are the sexes and eye colors of flies with the following genotypes:

$X^R X^r$ Red $X^R Y$ Red $X^r X^r$ White
 $X^R X^R$ Red $X^r Y$ White

2. What are the genotypes of these flies:

white eyed, male $X^r Y$ red eyed female (heterozygous) $X^R X^r$
 white eyed, female $X^r X^r$ red eyed, male $X^R Y$

3. Show the cross of a white eyed female $X^r X^r$ with a red-eyed male $X^R Y$.

	X^R	X^r
X^r	$X^R X^r$	$X^r X^r$
Y	$X^r Y$	$X^r Y$

4. Show a cross between a pure red eyed female and a white eyed male.

What are the genotypes of the parents: $X^R X^R$ & $X^r Y$

	X^R	X^r
X^R	$X^R X^R$	$X^R X^r$
Y	$X^R Y$	$X^r Y$

How many offspring are:

- white eyed, male 0
- white eyed, female 0
- red eyed, male 50%
- red eyed, female 50%

5. Show the cross of a red eyed female (heterozygous) and a red eyed male. What are the genotypes of the parents? $X^R X^r$ & $X^R Y$

	X^R	X^r
X^R	$X^R X^R$	$X^R X^r$
Y	$X^R Y$	$X^r Y$

How many offspring are:

- white eyed, male 25%
- white eyed, female 0
- red eyed, male 25%
- red eyed, female 50%

Math: What if in the above cross, 100 males were produced and 200 females. How many total red-eyed flies would there be? 250

Answer Key To Smileys Genetics

H Kauffman



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Atoms, Bytes and Genes Martin W. Bauer, 2015-02-11 Atom byte and gene are metonymies for techno scientific developments of the 20th century nuclear power computing and genetic engineering Resistance continues to challenge these developments in public opinion This book traces historical debates over atoms bytes and genes which raised controversy with consequences and argues that public opinion is a factor of the development of modern techno science The level and scope of public controversy is an index of resistance examined here with a pain analogy which shows that just as pain impacts movement resistance impacts techno scientific mobilization it signals that something is wrong and this requires attention elaboration and a response to the challenge This analysis shows how different fields of enquiry deal with the resistance of social psychological mentalities in the face of industrial scientific and political activities inspired by projected futures

Strategies to Integrate the Arts in Science Vivian Poey, Nicole Weber, Gene Diaz, Sam Smiley, 2013-07-01 This teacher friendly resource provides practical arts based strategies for classroom teachers to use in teaching science content

Motion Picture Herald , 1948

Fundamental Molecular Biology Lizabeth A. Allison, 2021-07-07 Fundamental Molecular Biology Discover a focused and up to date exploration of foundational and core concepts in molecular biology The newly revised Third Edition of Fundamental Molecular Biology delivers a selective and precise treatment of essential topics in molecular biology perfect for allowing students to develop an accurate understanding of the applications of the field The book applies the process of discovery observations questions experimental designs results and conclusions with

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Worksheet: page 4 and C Table 3. Interpreted Relationship Between Adjacent Features Related Possible ... Appendix 2: Answers to Review Questions The following are suggested answers to the review questions at the end of chapters in Physical Geology. Answers to the exercises are provided in Appendix 3. Exploring Geology 4th Edition by Reynolds Johnson Morin ... Exploring Geology 4th Edition by Reynolds Johnson Morin Carter ISBN Solution ... 2.0 Investigating Geologic Questions • 2.1 What Can We Observe in Landscapes? Advanced Engineering Mathematics - 5th Edition Find step-by-step solutions and answers to Advanced Engineering Mathematics ... Zill, Wright. ISBN: 9781449691721. Alternate ISBNs. Dennis G. Zill, Wright ... Advanced Engineering Mathematics 5th Edition Textbook ... Access Advanced Engineering Mathematics 5th Edition solutions now. Our solutions are written by Chegg experts so you can be assured of the highest quality! Advanced Engineering Mathematics 5th Edition Solutions. ... View Homework Help - Zill - Advanced Engineering Mathematics 5th Edition Solutions.pdf from ENGR 233 at Concordia University. Zill advanced engineering mathematics 5th edition solutions Stuck on a homework question? Our verified tutors can answer all questions, from basic math to advanced rocket science! Post question. Most Popular Study ... Advanced Engineering Mathematics 5th Edition solutions Advanced Engineering Mathematics 5th Edition solutions. Author: Dennis G. Zill, Warren S. Wright Publisher: Jones & Bartlett Learning ISBN: 9781449691721. Zill advanced engineering mathematics 5th edition solutions Table of Contents Part I Ordinary Differential Equations 1 Introduction to Differential Equations 1 2 First-Order Differential Equations 22 3 Higher-Order ... Advanced Engineering Mathematics 5th Edition Solutions ... Zill - Advanced Engineering Mathematics 5th Edition Solutions - View presentation slides online. CH13 - advance mathematics zill-advanced-engineering ... CH13 - advance mathematics zill-advanced-engineering-mathematics-5th-edition-solutions. Course: Mechanical engineering. Advanced Engineering Mathematics by Zill, Dennis The Fifth Edition is a full compendium of topics that are most often covered in the Engineering Mathematics course or courses, and is extremely flexible, to ... Dennis-G.-Zill-Advanced-Engineering-Mathematics- ... Advanced Engineering Mathematics, Sixth Edition is an independent publication and has not been authorized, sponsored, or otherwise approved by the owners ...