

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

Wenbin Ji



Answer Key To Smileys Genetics:

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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

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Motion Picture Herald ,1948 *Books in Print* ,1956 **Columbia Pictures Movie Series, 1926-1955** Gene Blottner,2011-12-22 Blondie Boston Blackie Ellery Queen The Lone Wolf Gasoline Alley Jungle Jim There were 27 film series produced and released by Columbia Pictures from 1926 through 1955 This reference book covers the origins of the popular fictional characters featured as well as their appearances in other media comics novels radio and television Also provided are thumbnail biographies of the actors who brought these characters to life The films themselves are examined in detail with release dates cast and production credits synopses reviews the author s summation the publicity tag lines and the songs heard Additionally most of the outdoor locations used in filming such Columbia western series as Wild Bill Saunders and The Durango Kid are identified **The Video Tape/disc Guide, Movies and Entertainment** ,1980 **American Book Publishing Record** ,1964 **The Exhibitor** ,1942 Some issues include separately paged sections Better management Physical theatre extra profits Review Servisection **Beef Mat** Blackwell,2016-05-26 Can an affair be non physical Is infidelity really just about meat slapping together Or is what goes on behind the meat actually more important Beef is a contemporary satire about love meat and infidelity set in an Australia of the incredibly near future It is a multi generational tale of unseen consequences and the pressures of leaving a legacy But most of all it s the rollicking story of an awkward middle aged sociophobe s attempts to be a good partner and a good father and a good son in the context of desperately trying not to have an affair with a wildly attractive psychic a psychic who insists they are going to end up together like it or not because it s destiny From one of Australia s most awarded comedy writers Beef explores desire and faithfulness in a dystopian future Australia where bizarre cults thrive where music is advertising where psychics are out of the closet and where meat is no longer murder *Billboard* ,1956-01-14 In its 114th year Billboard remains the world s premier weekly music publication and a diverse digital events brand content and data licensing platform Billboard publishes the most trusted

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Unveiling the Magic of Words: A Review of "**Answer Key To Smileys Genetics**"

In some sort of defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their power to kindle emotions, provoke contemplation, and ignite transformative change is truly awe-inspiring. Enter the realm of "**Answer Key To Smileys Genetics**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve into the book's central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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