

Download File PDF Inheritance Patterns In Dragon Answer Key

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

[Download PDF version of :](#)
[Inheritance Patterns In Dragon Answer Key](#)

Dragon Genetics
— Independent Assortment and Genetic Linkage

The article by Dr. Lynn Helms and David Strimling, Department of Biology, University of Pennsylvania, is freely available at <http://www.phylogenetics.org/phylogeny/phylogeny.html>. With kind permission of Lynn Helms, Pennsylvania State University, by Dr. Pamela Lovejoy, Mount St. Joseph University of Brno, Czech Rep., 2010.

In this activity you will study the patterns of inheritance of multiple genes in (imaginary) dragons. These dragons have two pairs of homologous chromosomes in each cell. You will see that, since genes are carried on chromosomes, the patterns of inheritance are determined by the behavior of chromosomes during meiosis and fertilization.

The Law of Independent Assortment
— Inheritance of Genes on Different Chromosomes

For this activity, we will only consider one gene on each chromosome. These genes are described in the following table:

Chromosome	Dragonfly Alleles	Dragonfly Alleles
Chromosome 1	H = tall wings h = no wings	w = no wings W = small horns
Chromosome 2	H = tall horns h = small horns	

The mother dragon is heterozygous for the wing gene (Hh) and the horn gene (Hh). The father is homozygous recessive for the wing gene (hh) and the horn gene (hh). What phenotypic traits will each parent have? (Phenotypic traits are the observable bodily characteristics.) Draw the appropriate characteristics for each parent.

Mother:  Father: 

Review of Inheritance of Single Genes

Draw a Punnett Square to show the inheritance of the horn alleles for a mating between this mother and father.

On average, what fraction of the baby dragons will have big horns?

© 2010 by Lynn Helms and David Strimling. This material is based on the OpenStax text <https://openstax.org/r/college-biology>. All rights reserved. This content is available for free at <https://openstax.org/r/college-biology>.