

Zork Genetics



Characteristic	Dominant Gene	Recessive Gene
Height	Tall (T)	Short (t)
Eye Number	One (E)	Three (e)
Lip Color	Purple (L)	Green (l)
Fang Number	One (F)	Two (f)



USE YOUR KNOWLEDGE OF GENETICS TO COMPLETE THIS WORKSHEET.

1. Use the information for a Zork's traits to write the **phenotype** (physical appearance) for each item.

a) TT _____

c) ee _____

b) Ll _____

d) Ee _____

2. Use the information in the chart to write the **genotype(s)** for each trait below.

a) One eye _____

c) Two Fangs _____

b) Short _____

d) Purple Lips _____

3. Determine the **genotypes** for each using the information in the chart.

a) Heterozygous purple lips _____

c) Homozygous one eye _____

b) Hybrid one fang _____

d) Purebred tall _____

4. A tall Zork named George met and fell in love with a tall Zork named Marge. Use your knowledge of genetics to answer the questions below.

a. If Marge's father is a heterozygous tall Zork and her mother is a short Zork, what is Marge's genotype? Complete the Punnett square to show the possible genotypes that would result to help you determine Marge's genotype.

What is Marge's genotype? _____

b. George is heterozygous for his height. What is his genotype? _____

c. Complete the Punnett square to show the possibilities that would result if George and Marge had offspring.

d. List the possible **genotypes** and **phenotypes** for the kids.

e. What is the probability of tall Zork kids? _____%

f. What is the probability of short Zork kids? _____%

Genetics Basics Answer Key

Lester A. Lefton



Genetics Basics Answer Key:

Human Genetics: The Basics Ricki Lewis, 2010-10-06 Human genetics has blossomed from an obscure branch of biological science and occasional explanation for exceedingly rare disorders to a field all of its own that affects everyone. Human Genetics: The Basics introduces the key questions and issues in this emerging field including The common ancestry of all humanity The role of genes in sickness and health Debates over the use of genetic technology Written in an engaging narrative manner this concise introduction is an ideal starting point for anyone who wants to know more about genes DNA and the genetic ties that bind us all

Genetics Daniel L. Hartl, Elizabeth W. Jones, 2005 This introductory college level textbook introduces the basic processes of gene transmission mutation expression and regulation Hartl Harvard U and Jones Carnegie Mellon U present an integrated view of the modern world of genetics treating classical molecular and population genetics as unified subdisciplines within the field Modern an

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Basic Genetics Robert Franklin Weaver, Philip W. Hedrick, 1991

Pharmacology and the Nursing Process E-Book Linda Lane Lilley, Shelly Rainforth Collins, Julie S. Snyder, 2022-01-19 Focus on need to know information includes discussions of what nurses may encounter during drug administration in a variety of health care settings providing accounts of real life medication errors and tips for avoiding those errors The Nursing Process is applied to each category of drugs ensuring that you administer medications accurately and safely and includes the steps of assessment human need statements planning implementation and evaluation Emphasis on drug classes describes key similarities and differences among the drugs in each class making it easier to understand how individual drugs work in the body Consistent presentation for each drug group includes the mechanism of action indications contraindications adverse effects interactions and dosages concluding with drug profiles of individual drugs in the class or group High alert icons identify medications that pose a greater risk to patient safety Focus on prioritization includes prioritized nursing diagnoses along with a corresponding prioritization of goals and outcomes to help you learn to connect nursing diagnoses with goals and outcomes Ease of readability makes difficult content more understandable Photo atlas features more than 100 drawings and photographs showing drug administration techniques Dosages tables summarize generic and trade names pharmacologic class normal dosage ranges and indications for the drugs Learning features at the beginning of each chapter include objectives and key terms and at the end of each chapter key points critical thinking questions review questions and a list of resources available on the Evolve website QSEN coverage includes the use of human need theory with human need statements case studies featuring collaboration and teamwork content Preventing Medication Errors boxes and a discussion of the QSEN initiative as it relates to the safety and quality of patient care NEW Updated drug

content reflects the latest FDA drug approvals withdrawals and therapeutic uses and includes updated nursing content

Genetics Primer for Exercise Science and Health Stephen M. Roth,2007 The text maintains a practical focus while providing updates on current research findings and exploring how genetics may affect clinical practice and sport performance training **Pathophysiology Made Incredibly Easy!** Theresa Capriotti,2024-07-10 Pathophysiology Made Incredibly Easy 7th Edition combines images with clear concise text to help students and new nurses master the knowledge they need to understand clinical disorders It employs hundreds of detailed photographs diagrams charts and images to boost understanding and retention of cell development the infection process cancer warning signs abnormal cell growth and so much more *The Publishers' Trade List Annual* ,1980 *Biology* ,1999 Study Guide Robert S. Feldman,2002-06

Thompson & Thompson Genetics in Medicine Margaret Wilson Thompson,Roderick R. McInnes,Huntington F. Willard,1991 Presents the classical principles of human genetics as applied to medicine as well as a new emphasis on molecular genetics and the treatment of genetic disease Includes new updated chapters on chromosomes gene mapping and the human genome project molecular basis of disease and genetics of cancer It presents three new appendices on chromosome banding ISCN diagrams CHI square and the Lod score table Updated problems and answers are available for all chapters An undergraduate textbook it is also useful to health practitioners *The Stanford Magazine* ,1977 **The Software Encyclopedia 2001** ,2001 Scientific and Technical Books and Serials in Print ,1989 R.R. Bowker's Software for Schools ,1987 Hereford World ,2007 Forthcoming Books Rose Army,2003 **Video Source Book** ,2008

Interactive Psychology Online Lester A. Lefton,2000 In this innovative product a black and white text contains the core coverage of the general topics of introductory psychology with a built in section review It is supplemented by a website that contains the full colour illustrations usually found within the text and a multitude of study aids including a customized version of The Psychology Place Website Based on Lefton s Psychology this is a briefer more cost effective alternative to a traditional introductory psychology text It is intended that the student use both the text and the website as the basis for learning **Biology** Michael R. Cummings,1996

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