

**Step 4** Combine the gamete genotypes of one parent with those of the other parent to show all possible offspring genotypes.

|       |           |         |
|-------|-----------|---------|
|       | $I^A$     | $i$     |
| $I^A$ | $I^A I^A$ | $I^A i$ |
| $i$   | $I^A i$   | $ii$    |

**Step 5** State the genotype and phenotype ratios of the offspring.

3  $I^A I^A$ : 3  $I^A i$ : 1  $I^A i$ : 1  $ii$  = 3/4  $I^A I^A$ , 3/4  $I^A i$ , 1/4  $I^A i$ , 1/4  $ii$

3 type A: 1 type AB: 1 type B = 3/4 type A, 1/4 type AB, 1/4 type B

### EXERCISES

For each exercise draw the Punnett square when appropriate and answer the questions in the spaces provided.

- A woman homozygous for type B blood marries a man who is heterozygous type A. What will be the possible genotypes and phenotypes of their children?  
 \_\_\_\_\_  
 \_\_\_\_\_
- A man with type O blood marries a woman with type AB blood. What will be the possible genotypes and phenotypes of their children?  
 \_\_\_\_\_  
 \_\_\_\_\_
- A type B woman whose mother was type O marries a type O man. What will be the possible genotypes and phenotypes of their children?  
 \_\_\_\_\_  
 \_\_\_\_\_
- A type A woman whose father was type B marries a type B man whose mother was type A. What will be their children's possible genotypes and phenotypes?  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- What is the probability that a couple whose blood types are AB and O will have a type A child?  
 \_\_\_\_\_
- A couple has a child with type A blood. If one parent is type O, what are the possible genotypes of the other parent?  
 \_\_\_\_\_

# Genetics Problem Solving Prentice Hall Chapter 25 Answers

**Erich Goode**



## **Genetics Problem Solving Prentice Hall Chapter 25 Answers:**

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,1991 Scientific American ,1894 Monthly magazine devoted to topics of general scientific interest Medical record  
,1875 **Bazaar Exchange and Mart, and Journal of the Household** ,1874 **“A” Dictionary of the English Language** Robert Gordon Latham,1876 *Gardeners' Chronicle and Agricultural Gazette* ,1872 **Cumulated Index Medicus** ,1998 **British Books in Print** ,1985 **Concepts of Genetics** William S. Klug,Michael R. Cummings,2003  
This book is known for its clear writing style emphasis on concepts visual art program and thoughtful coverage of all areas of genetics The authors capture readers interest with up to date coverage of cutting edge topics and research The authors emphasize those concepts that readers should come to understand and take away with them not a myriad of details and exceptions that need to memorized and are soon forgotten In addition to topics traditionally covered in genetics this book has increased coverage of genomics including proteomics and bioinformatics biotechnology and contains more real world problems For anyone in biology agriculture or health science who is interested in genetics *The Prison World* ,1946  
**American Journal of Correction** ,1945

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In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Genetics Problem Solving Prentice Hall Chapter 25 Answers**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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web the study of electricity and magnetism although conceived of as distinct phenomena until the 19th century electricity

and magnetism are now known to be components of the unified field of electromagnetism particles with electric charge interact by an electric force while charged particles in motion produce and respond to magnetic forces as well many

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