

Name _____

Section _____

EXERCISE 48 PROBLEMS—PART III

The following problems are based on the section of the "Mt. Tom, California" quadrangle reproduced below (Figure 48-8). The map shows a pair of large lateral moraines at the mouth of Pine Creek coming down the eastern slope of the Sierra Nevada ($37^{\circ}24'50''\text{N}$, $118^{\circ}36'11''\text{W}$). A road (shown as a double black line) follows the course of Pine Creek out of the valley between the lateral moraines. You can view this map in color by going to the Lab Manual website or by scanning the QR code for this exercise.

1. With a red pencil, mark the crests of each lateral moraine. Also mark the crests of any branches of these moraines.
2. From the pattern of moraines, describe the evidence of more than one glacial advance.

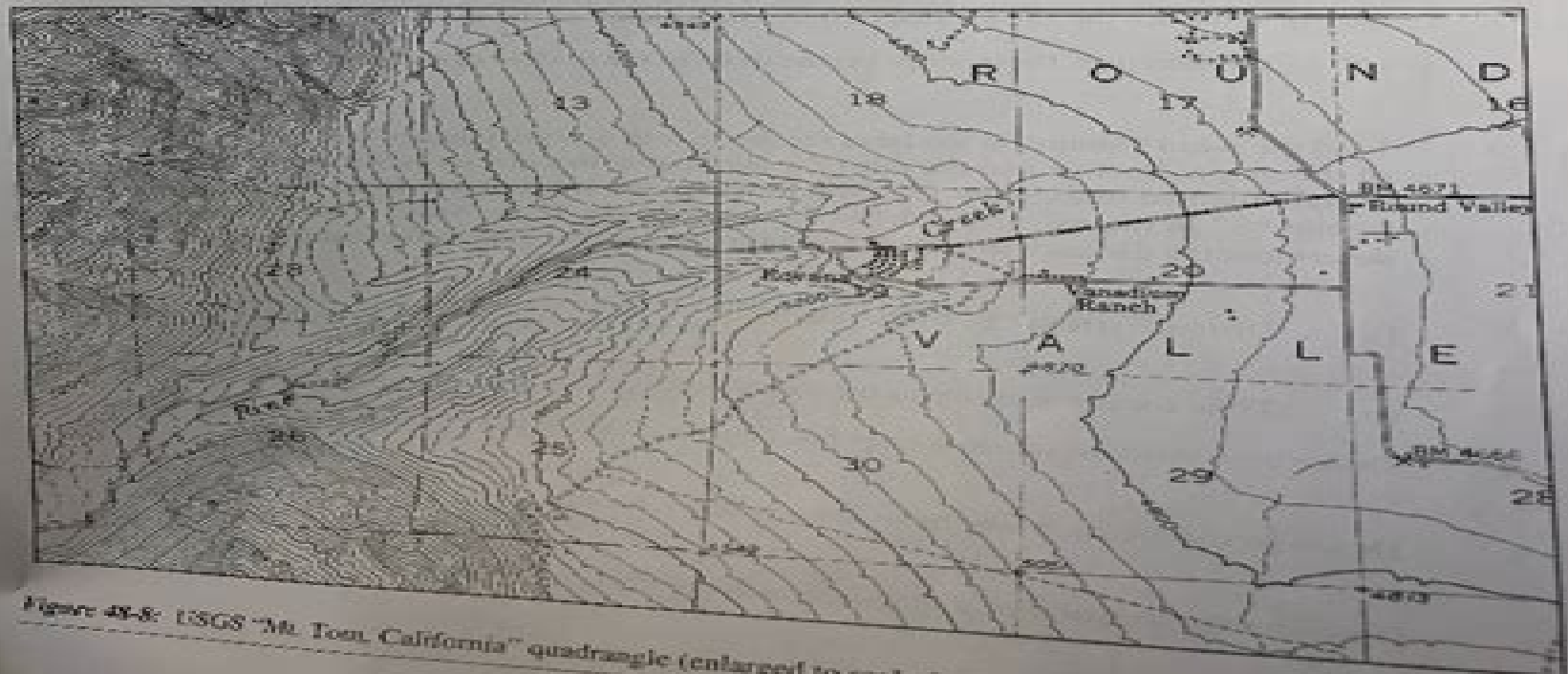


Figure 48-8: USGS "Mt. Tom, California" quadrangle (enlarged to scale 1:48,000; contour interval 80 feet; 1 in. = 1 mi.)

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Table of Contents Mcknight39s Physical Geography Lab Manual Answers

1. Understanding the eBook Mcknight39s Physical Geography Lab Manual Answers
 - The Rise of Digital Reading Mcknight39s Physical Geography Lab Manual Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Mcknight39s Physical Geography Lab Manual Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Mcknight39s Physical Geography Lab Manual Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mcknight39s Physical Geography Lab Manual Answers
 - Personalized Recommendations
 - Mcknight39s Physical Geography Lab Manual Answers User Reviews and Ratings
 - Mcknight39s Physical Geography Lab Manual Answers and Bestseller Lists
5. Accessing Mcknight39s Physical Geography Lab Manual Answers Free and Paid eBooks
 - Mcknight39s Physical Geography Lab Manual Answers Public Domain eBooks
 - Mcknight39s Physical Geography Lab Manual Answers eBook Subscription Services
 - Mcknight39s Physical Geography Lab Manual Answers Budget-Friendly Options

6. Navigating Mcknight39s Physical Geography Lab Manual Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Mcknight39s Physical Geography Lab Manual Answers Compatibility with Devices
 - Mcknight39s Physical Geography Lab Manual Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Mcknight39s Physical Geography Lab Manual Answers
 - Highlighting and Note-Taking Mcknight39s Physical Geography Lab Manual Answers
 - Interactive Elements Mcknight39s Physical Geography Lab Manual Answers
8. Staying Engaged with Mcknight39s Physical Geography Lab Manual Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mcknight39s Physical Geography Lab Manual Answers
9. Balancing eBooks and Physical Books Mcknight39s Physical Geography Lab Manual Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mcknight39s Physical Geography Lab Manual Answers
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Mcknight39s Physical Geography Lab Manual Answers
 - Setting Reading Goals Mcknight39s Physical Geography Lab Manual Answers
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Mcknight39s Physical Geography Lab Manual Answers
 - Fact-Checking eBook Content of Mcknight39s Physical Geography Lab Manual Answers
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
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