

Name:
Date:
Period:

Happy Camp Canyon Regional Park Study Guide

1. Describe three different types of rock found in the canyon. What could the Chumash have used these types of rock for?

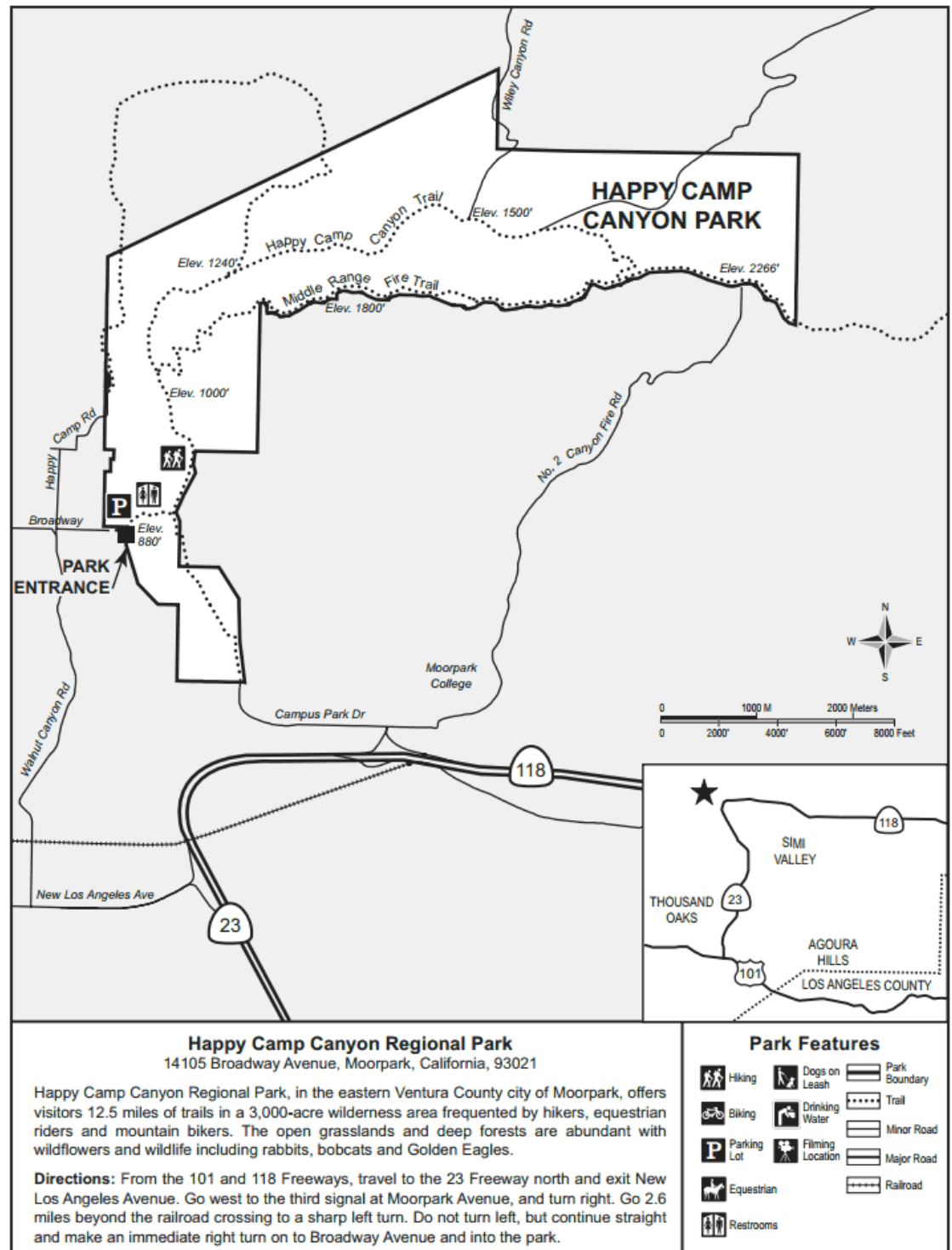
2. Where is the location of the shale out-croppings within the canyon. What type of rock does this resemble that wouldn't normally be found in this area?

3. What types of birds were you able to see while you were hiking? Do you think they live in the forested part of Happy Camp, or along the mountain ridges?

4. Describe at least three different terrains we crossed as we were hiking. What types of animals and plants seem to be most commonly found in this terrain?

5. Dogs and other animals are not allowed in Happy Camp Canyon. How do you think that introducing animals that are not native to the area would affect the ecosystems found in the canyon?

6. Using the map below, trace our hiking path. Describe the topography of the canyon along the trail.



Tasks

1. **Timeline**

Create a timeline showing the development of Happy Camp Regional Park from the Miocene Era to present day. Include photo evidence of who or what lived in the area.

2. **Photo Scrapbook**

While you are hiking through Happy Camp, photograph as many different species of animals, birds, and plants as you can. When you reach the canyon walls, look for any shells or fossils that might have been left behind. What different types of rock are visible in the walls of the canyon. Upload your photos to the Picasaweb album and insert them into your group's photo scrapbook presentation.

3. **Historical stories**

The Quimisac Chumash Indians used to live in the Happy Camp Canyon before settlers from the East Coast moved out into Simi Valley and Moorpark and turned the Canyon into a cattle ranch. Write a description of how the Quimisac Chumash might have lived several hundred years ago. What evidence of their village is left behind? How might the inclusion of settlers and their cattle have changed the ecosystems of the canyon?

4. **Calorie consumption vs calorie expenditure**

Have students plan and calculate the calories for their snack and lunch that they will take on the hike. Using Strava or a pedometer application, have the students track how many steps, distance, altitude, time, and speed of their hike. Have students compare the amount of calories they consumed compared to the amount of calories they used during their hike. What types of food provide the longest lasting energy?