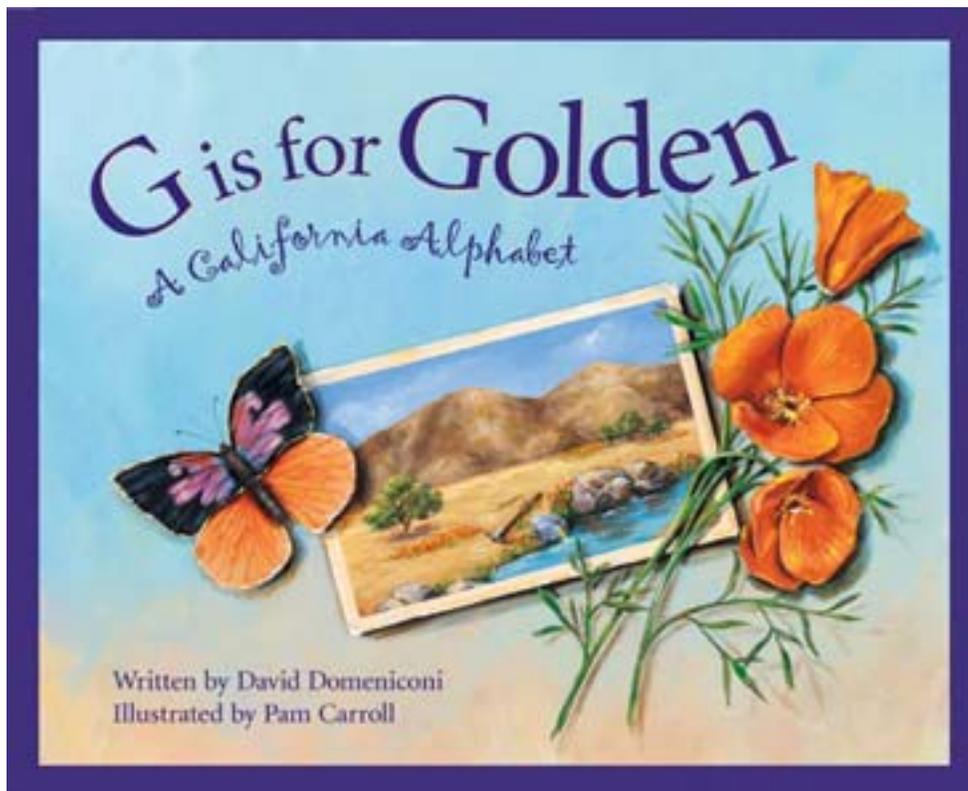


A Teacher's Guide



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G is for Golden

Read *G is for Golden*
and make a wheel of state
facts and symbols.

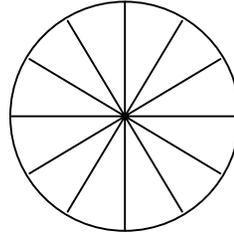
Materials

Two paper plates
Brass brad
Ruler and markers

Directions

- 1.) Draw 12 equal sections on one of the paper plates.

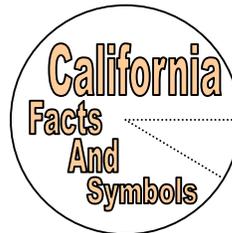
Example



- 2.) Label each section.
See chart on following page.

- 3.) Draw and cut out one section on the other
paper plate. Place this paper plate on top
of the first paper plate.

Example



- 4.) Label the top plate with the heading
California - Facts and Symbols.
- 5.) Attach the paper plates together in the
center with the brass brad.
- 6.) Turn the top plate to reveal each state
fact or symbol!

California Wheel of Facts

On each section of the first paper plate, write and draw a fact/symbol of California. Refer to pages B, G, N, O, P, Q, R, and S of *G is for Golden*.

Section	Facts and Symbols
One	Nickname - The Golden State
Two	Capital - Sacramento
Three	Animal - Grizzly Bear
Four	Fish - Golden Trout
Five	Insect - Dog-face Butterfly
Six	Fossil - Sabor-Tooth Cat
Seven	Mineral - Gold
Eight	Flower - Poppy
Nine	Marine Animal - Gray Whale
Ten	Bird - Valley Quail
Eleven	Tree - Redwood
Twelve	Colors - Blue and Gold

* * * * *

Read page B of *G is for Golden*. Design your own California flag.



The Golden Dragon - "gum lung"

Use the detailed information from the word web and create your own paragraph about the Golden Dragon - "Gum Lung". Review page C of *G is for Golden* and visit the website www.chinese-parade.com for additional information.



Explore California

With a partner, refer to *G is Golden* and explore California without leaving your seat! Label the following description with the California locations listed in the box.

1. The lowest place in the Western Hemisphere

2. California's first national park

3. Site of the gold discovery in 1848

4. Home of the Walk of Fame

5. One of the world's largest finds of Ice Age fossils

6. Home of the General Sherman Tree

7. Site of an art and cultural center in Los Angeles

8. A prison closed in 1963 - A National Park

9. First mission in California founded in 1769

The Search For Gold !

Many people traveled to California to search for gold!
Read pages E, F, and G of *G is for Golden* to learn more about
California's golden history.

Cut out the word box and letter
strips below. Carefully cut slits
along the dotted line. Thread
the letter strips through the slits
and read the rhyming words.

Go on your own gold search
and count the number of times
the word "gold" is used on
pages E, F, and G.

old

b

c

f

g

h

m

s

t



Role-Play

Pretend that you have just discovered gold! Role-play your reaction. Then you discover your gold is fool's gold. Role-play your reaction.

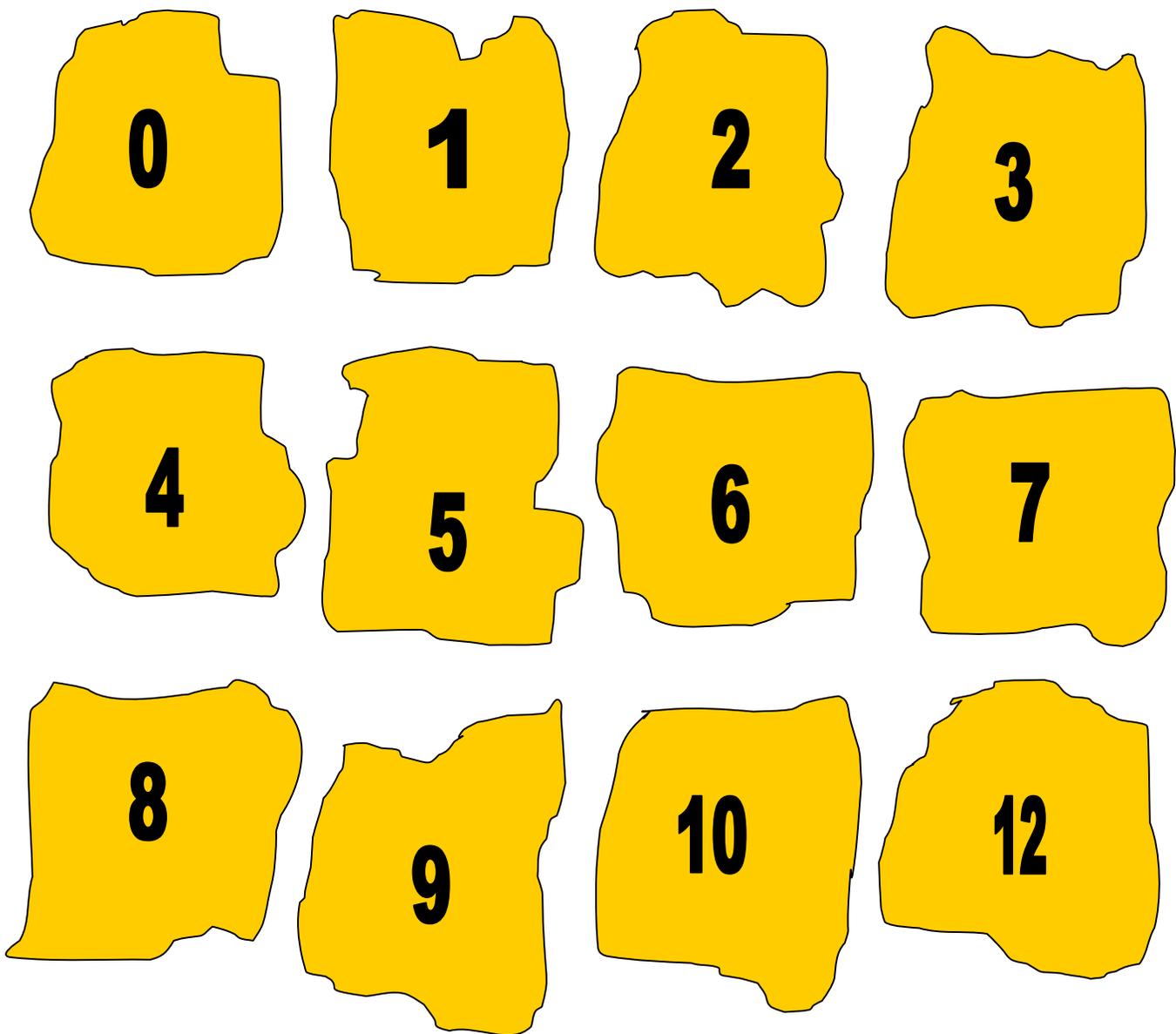
Top Ten List

Pretend the year is 1848, and you have discovered a fortune in gold at Sutter's Mill. Write a top ten list of what you would do with your fortune.

Multiplication Gold Mining

Dig and sift for multiplication facts! Cut out a set of gold nugget cards below for each student and place cards in aluminum pie tins. Using a deck of multiplication flash cards, call out a fact. Students figure out the product and search for the correct gold nugget card.

Examples: 3×9 Students search for the number 27 gold nugget card.
 8×7 Students search for the number 56 gold nugget card.



14

15

16

18

20

21

24

25

27

28

30

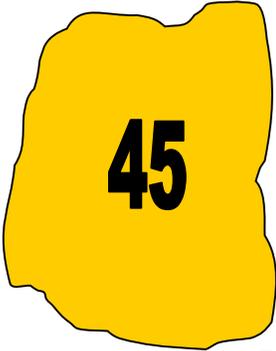
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42



45



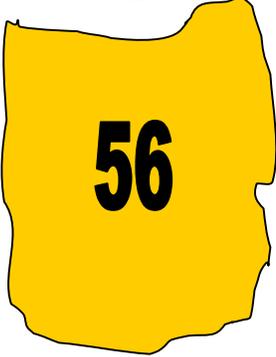
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54



56



63



64



72

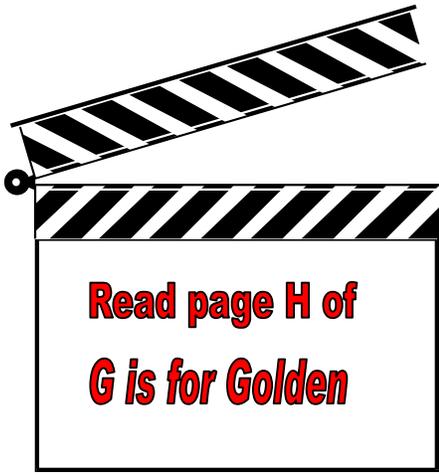


81

Variations

Instruct students to find all the multiple gold nugget cards for a given number. Example: 3 - 3, 6, 9, 12, 15, 18, 21, 24, 27, 30.

Place students into groups of four or five and give each group a pie tin. Instruct students to remove ten gold nuggets of their choice. Using a deck of multiplication flash cards, call out a fact. If students have the gold nugget with the correct answer, they remove the card from the tin. The first group to remove all the cards wins!



HOLLYWOOD

Script Writing

Write the dialogue (the conversation) for the following scene. Read page D of *G is for Golden* for background information.

Scene - Imagine you have rescued the woman pioneer that was stranded in Death Valley for 26 days.

Rescuer: _____

Woman: _____

Rescuer: _____

Woman: _____

Rescuer: _____

Woman: _____

Rescuer: _____

Woman: _____



Read the boxes below and make decisions for a movie about the California gold rush.

Read pages F and L of *G is for Golden* to help guide your decisions.

Location

Circle the best location to film the movie.

China Town	Death Valley
Alcatraz	Sierra Nevada Mountains
New York	San Diego de Alcala
Sacramento	La Brea Tar Pits

Movie Title

Circle an attention grabbing movie title or write your own title.

The Forty-Niners Fortune

Gold Rush

Strike It Rich!

Broken Golden Dreams

River of Gold

Sutter's Mills Discovery

Levi's Pocket Full of Gold

A Week's Fortune

Lost Gold Seekers

Own Title:

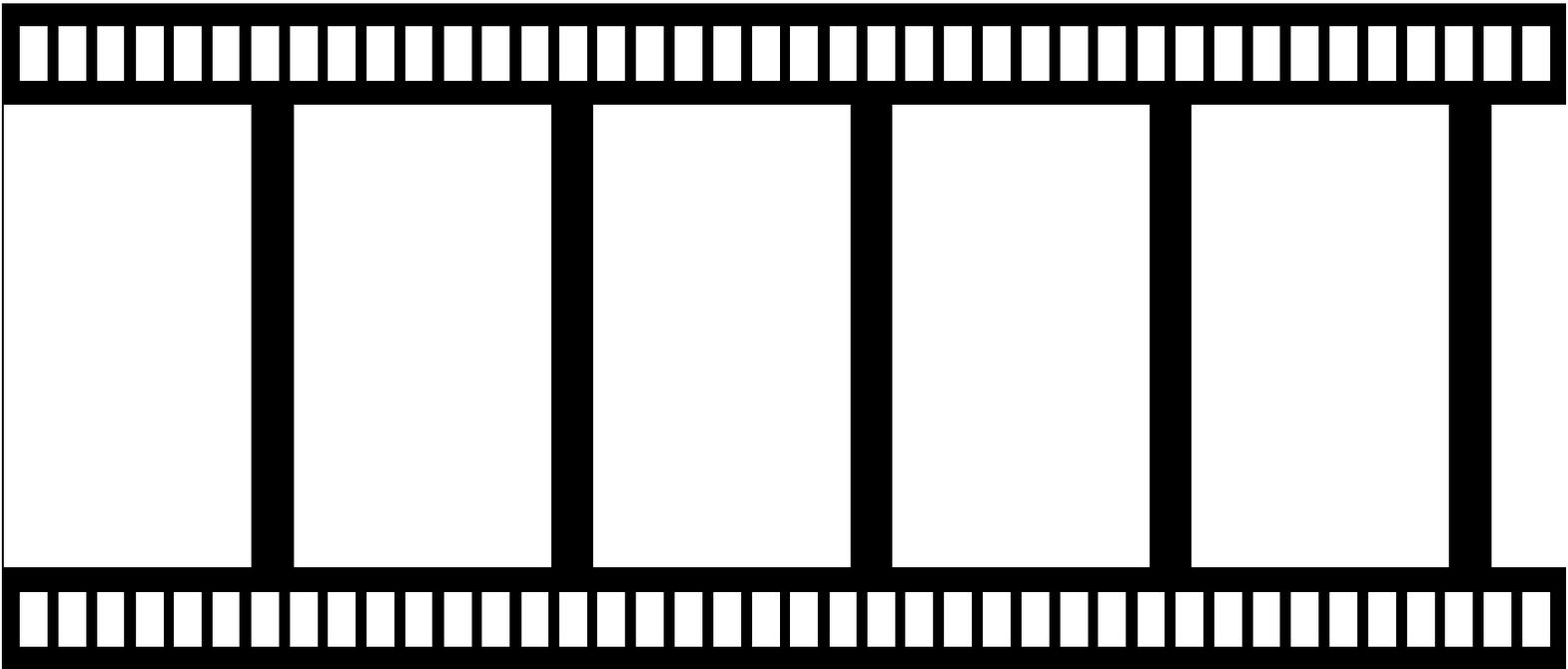
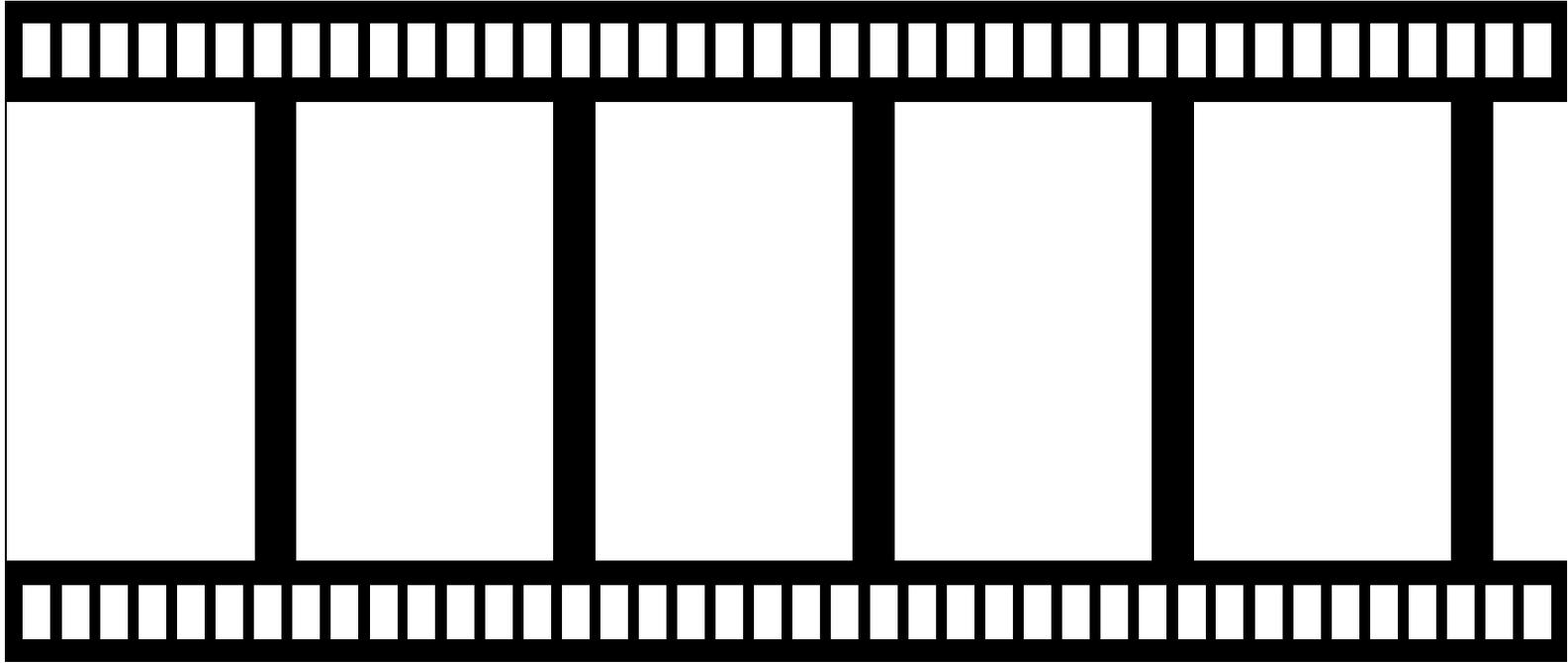
Props

Circle the props that could be used in the movie.

Shovels	Baseballs
Bicycles	Fishing nets
Flutes	Fake gold nuggets
Soccer balls	Picks
Fake diamonds	"Gum Lung" Golden Dragon
Levi jeans	Mission bells
Sacks	California flag

That's A Wrap!

Review *G is for Golden* and decide which 10 letters of the California alphabet you found to be the most important or interesting. Write or draw about your top ten letters in the filmstrip below.



California Word Scramble

Read the clues, then unscramble the California words.

1. A famous prison

CAALRTAZ

2. "Gum Lung"

DENOG L D ARNGO

3. The fox

ZRORO

4. Dry lakebed in Death Valley

DABWTARE

5. Entrance to San Francisco Bay

DENOG L AGTE

6. California's first national park

OYESMIET

7. World-wide peace organization

UITNED TIONSNA

8. California's Capital

ASRCMANETO

Sea Otters and Gray Whales

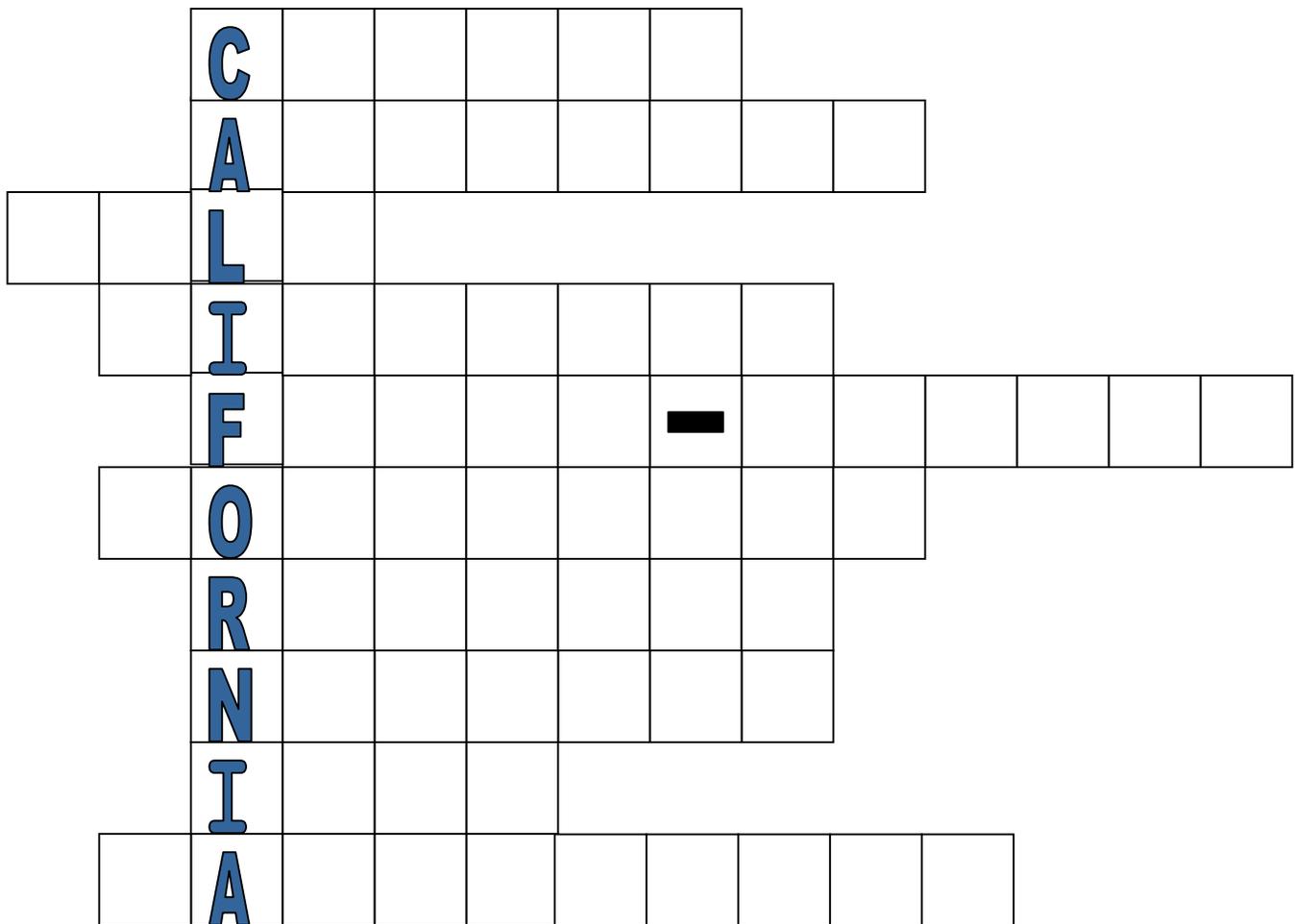
Read pages K and O of *G is for Golden*. Compare sea otters and gray whales. List ways in which they are the same and ways in which they are different.

SEA OTTERS AND GRAY WHALES - WAYS THEY ARE THE SAME

SEA OTTERS AND GRAY WHALES - WAYS THEY ARE DIFFERENT

California Crossword

1. March 31 is Cesar _____ Day
2. Island in San Francisco Bay
3. Giant seaweed
4. First European settlements in California
5. Gold seekers - mostly young men
6. Home of the first talking picture - movie
7. California's state tree
8. A world-wide organization to create peace - United _____
9. Last man of the Yahi tribe
10. A sculpture to honor immigrants to the United States



La Brea Tar Pits

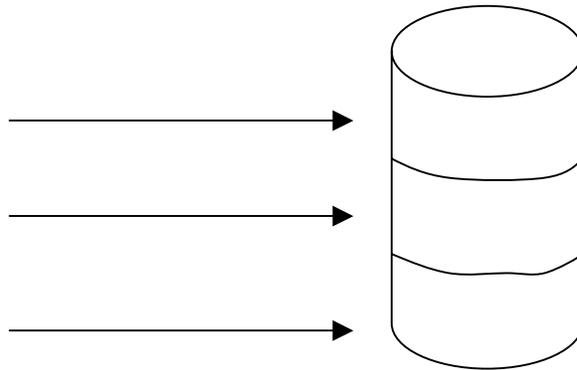
The La Brea Tar Pits were deceiving water holes. The dangerous sticky tar was covered with rainwater, creating a trap that captured many Ice Age animals. Read page N of *G is for Golden* to learn more about the pits and try this experiment to discover the layering effect of liquids due to density.

Materials

One clear plastic jar
1 cup water
1 cup syrup
1 cup vegetable oil

Directions

1. When all three liquids (water, oil, syrup) are poured into the clear plastic jar they will not combine together, but layer one on top of each other. Predict the layers.



2. Pour each liquid into the clear plastic jar. Compare the results with your prediction.
3. Quickly stir the liquids. What happens?

The California Poppy

California's state flower is the poppy. To learn more about the poppy, read page P of *G is for Golden*.

Materials

One package of poppy, marigold and sunflower seeds for each group
Activity sheet

Name _____

POPPY

MARIGOLD

SUNFLOWER

Before opening each package, list the flowers in order by the size of their seeds.

Small

Medium

Large

Open the packages and check your listing. Change the order if necessary.

.....

Draw and label each type of seeds.

Complete the chart using the information listed on the seed packages.

Type - Is the flower a perennial or annual?

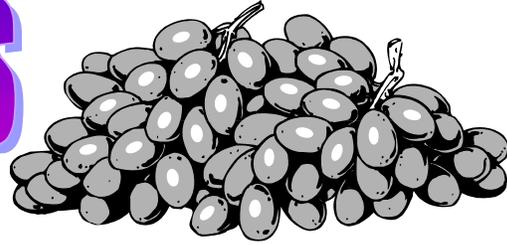
Light - Does the flower need full sun, shade or part sun and shade?

Days to Sprout - How many days until the flower germinates?

Plant Height - How tall will the plant grow?

	Poppy	Marigold	Sunflower
Type			
Light			
Days To Sprout			
Plant Height			

California Raisins



Materials

1.5 oz box of raisins for each student
Paper plate or napkin
Raisin math activity sheet - below

Directions

1. Estimate the number of raisins in one box and record the estimation on the activity sheet.
2. Direct students to pour the raisins on the paper plate or napkin and group the raisins in sets of ten.
3. Count the number of raisins and record the results.
4. Compare estimation with the actual count.
5. Estimate the classroom total number of raisins.
6. On a chart or chalkboard, add the actual raisin count of each student. Compare with the estimations.

Name _____		Raisin Recording Sheet	
<u>Individual</u>		<u>Class</u>	
Estimation _____		Estimation _____	
Actual Count _____		Actual Count _____	
Difference _____		Difference _____	

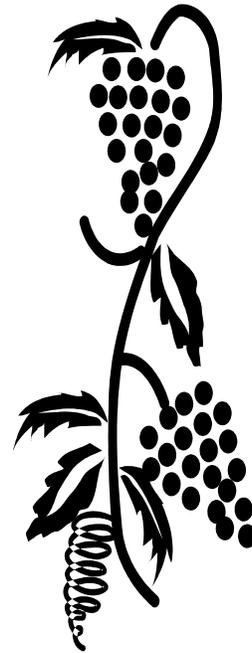
Plump Raisins

The process of dehydration - removing the water from the grapes - makes raisins.

Can you restore water to raisins?
Try the following activity to find out.

Materials

15 raisins
5 grapes
One glass of water
Paper plate



Directions

DAY ONE

1. Place 5 raisins and 5 grapes on a paper plate.
2. Place 10 raisins in the glass of water.
3. Observe the raisins in the water throughout the day.
4. Allow the raisins to sit in the water overnight.

DAY TWO

1. Compare the raisins in the water glass to the raisins and grapes on the paper plate.
2. What changes occurred in the size and shape of the raisins placed in the water?

Reconstitution is the process of restoring water to dried food. When the raisins are placed in water, the cells fill with water.

California Snack

Ingredients

1 pound seedless grapes
2 apples
1 cup raisins
One-half cup slivered almonds
One-half cup peanuts
1 head iceberg lettuce

Directions

1. Rinse and drain grapes and apples.
2. Pull grapes from stems.
3. Core and cube the apples. (This step will require adult supervision.)
4. In a bowl, mix grapes, apples, raisins, almonds and peanuts.
5. Remove, one at a time, the lettuce leaves from the head of iceberg lettuce.
6. Put one-fourth cup of the mixture on each lettuce leaf "cup".

Valley Quail

California's state bird is the valley quail. Learn interesting facts about the valley quail by reading page Q of *G is for Golden*.

Read the sentences below. Make an X on the incorrect box.

1. Valley quail prefer to eat alone in a covey .

2. The covey is protected by a single bird called a sentinel sergeant .

3. Valley quail spend most of their time soaring above the mountains on the ground .

4. The sentinel squawks when it finds food at the first sign of danger .

5. A covey walks in pairs in a single file line .

6. Finding a valley quail's nest is easy difficult .

Four In A Row

Play *Four In A Row* to increase student's knowledge about California facts. Cut out the following game boards, markers and cards. Make additional game boards by using the blank chart.

Call out a card and instruct students to cover the answer on the game board with a marker. The first student to cover four in a row wins. Vary by specifying 4 down, 4 across, or 4 diagonally for each game.

Game boards

Gold and Blue	Sabor Tooth Cat	Valley Quail	Redwood
Poppy	Gray Whale	Sacramento	Dog-face Butterfly
Golden State	Golden Trout	Grizzly Bear	Zorro
Cesar Chavez Day	California Republic	Gold	Yosemite

Poppy	Gold and Blue	Golden Trout	Sacramento
Cesar Chavez Day	Gold	California Republic	Yosemite
Zorro	Grizzly Bear	Gray Whale	Sabor Tooth Cat
Valley Quail	Dog-face Butterfly	Redwood	Golden State

Valley Quail	Gray Whale	Poppy	Cesar Chavez Day
Gold and Blue	Redwood	Sabor Tooth Cat	Golden State
California Republic	Sacramento	Grizzly Bear	Gold
Zorro	Yosemite	Golden Trout	Dog-face Butterfly

Sabor Tooth Cat	Yosemite	Cesar Chavez Day	Zorro
California Republic	Golden State	Grizzly Bear	Redwood
Dog-faced Butterfly	Valley Quail	Gold and Blue	Poppy
Gold	Gray Whale	Sacramento	Golden Trout

Create your own game board!

Game Cards

<p>State Colors Gold and Blue</p>	<p>State Fossil Sabor Tooth Cat</p>
<p>State Bird Valley Quail</p>	<p>State Tree Redwood</p>
<p>State Flower Poppy</p>	<p>State Marine Animal Gray Whale</p>
<p>State Capital Sacramento</p>	<p>State Insect Dog-face butterfly</p>
<p>State Nickname Golden State</p>	<p>State Mineral Gold</p>
<p>State Fish Golden Trout</p>	<p>State Animal Grizzly Bear</p>
<p>State Holiday Cesar Chavez Day</p>	<p>Legend Zorro</p>
<p>Words on the State Flag California Republic</p>	<p>California's First National Park Yosemite</p>

Game markers (Provide one set for each student)

Answer Page

Explore California

1. Death Valley
2. Yosemite
3. Sutter's Mill
4. Hollywood
5. La Brea Tar Pits
6. Sequoia National Park
7. Watts Tower
8. Alcatraz
9. San Diego de Alcalá

California Word Scramble

1. Alcatraz
2. Golden Dragon
3. Zorro
4. Badwater
5. Golden Gate
6. Yosemite
7. United Nations
8. Sacramento

California Crossword

1. Chavez
2. Alcatraz
3. Kelp
4. Missions
5. Forty-Niners
6. Hollywood
7. Redwood
8. Nations
9. Ishi
10. Watts Tower

Famous People

William Todd - Designed the California flag

Cesar Chavez - Organized the first farm worker's union

Ishi - Last member of the Yahi tribe

John Steinbeck - Won the Nobel Prize for literature in 1962

Jacob Davis - Partner of Levi Strauss/ Levis Strauss & Company

Philo T. Fransworth - Transmitted the first television picture

John Muir - Naturalist / Yosemite National Park

Simon Rodia - Created Watts Tower

Valley Quail

1. In a covey
2. Sentinel
3. On the ground
4. At the first sign of danger.
5. In a single file line.
6. Difficult