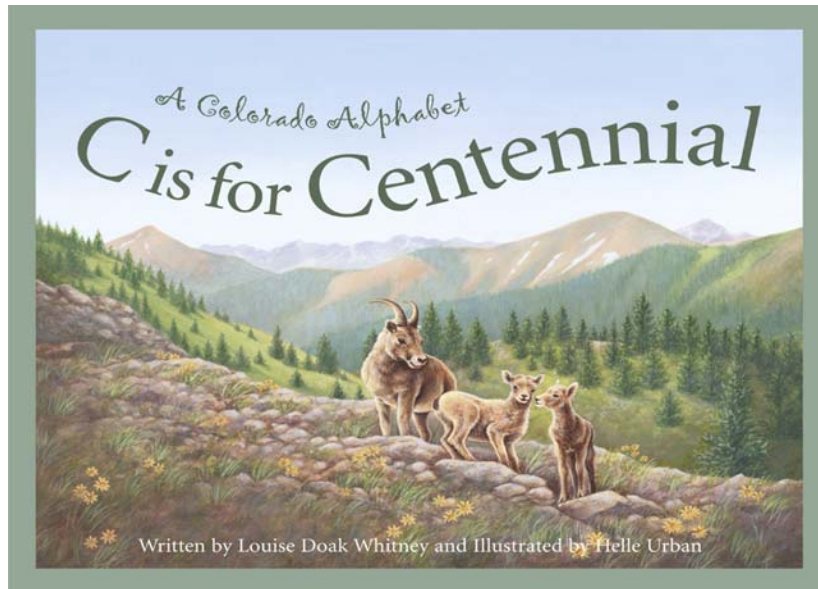


A TEACHER'S GUIDE



C is for Centennial A Colorado Alphabet

**Guide written by
Patricia Pierce**

**Portions may be reproduced for use in the classroom with
this express written consent of Sleeping Bear Press**

**Published by Sleeping Bear Press
310 North Main
Chelsea, MI 48118
800-487-2323
www.sleepingbearpress.com**

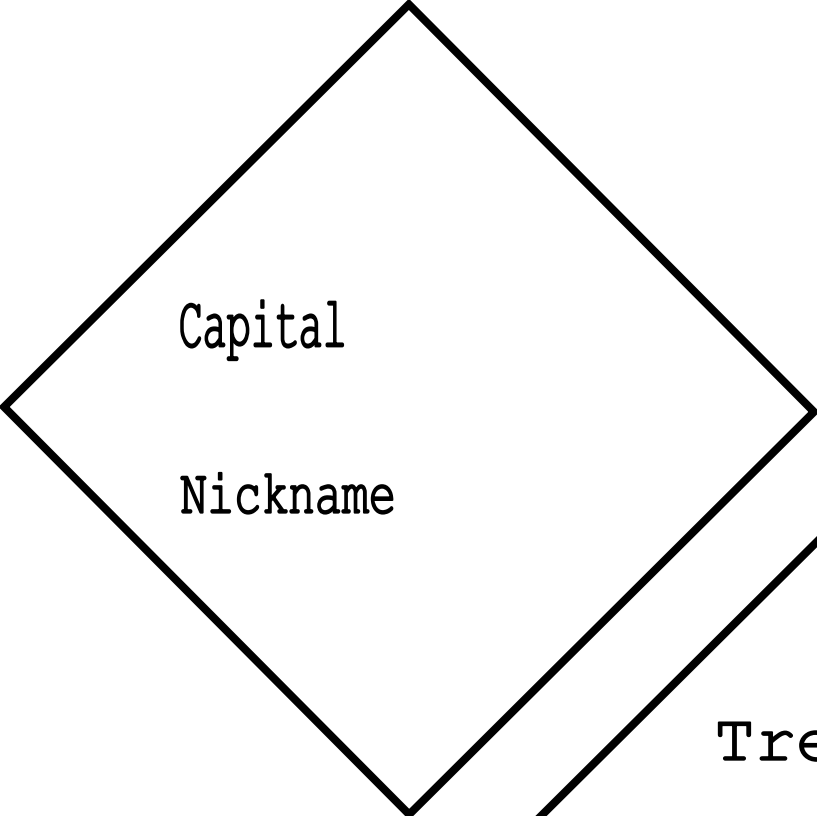
Colorado's State Symbols

Create a minibook of Colorado's state symbols! Search and skim *C is for Centennial* for information on the state symbols. Cut out each page below and complete the missing information. Staple the pages together on top left side.



.....

Instruct students to determine the order of the pages. Which symbols do they think should be first? Allow students to share and explain their page order.



Capital

Nickname



Tree

Flower

Grass

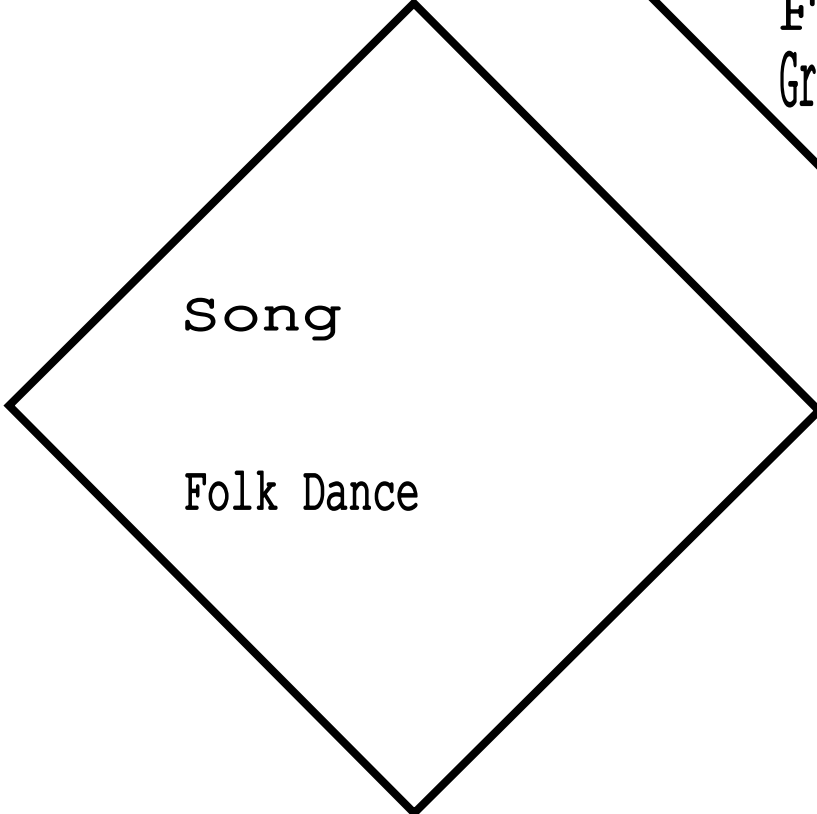
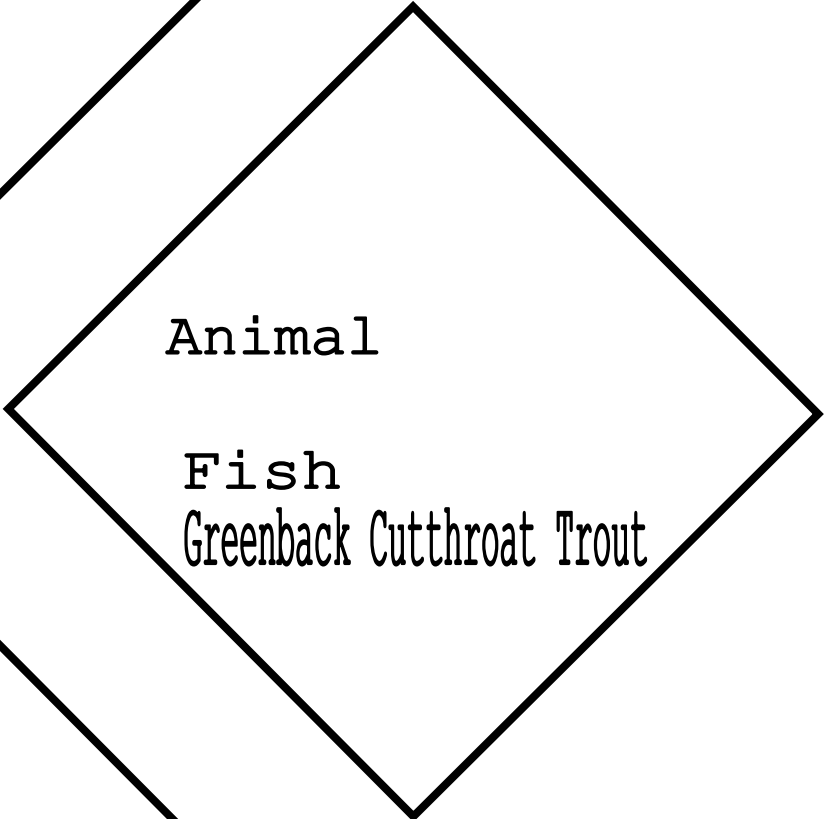
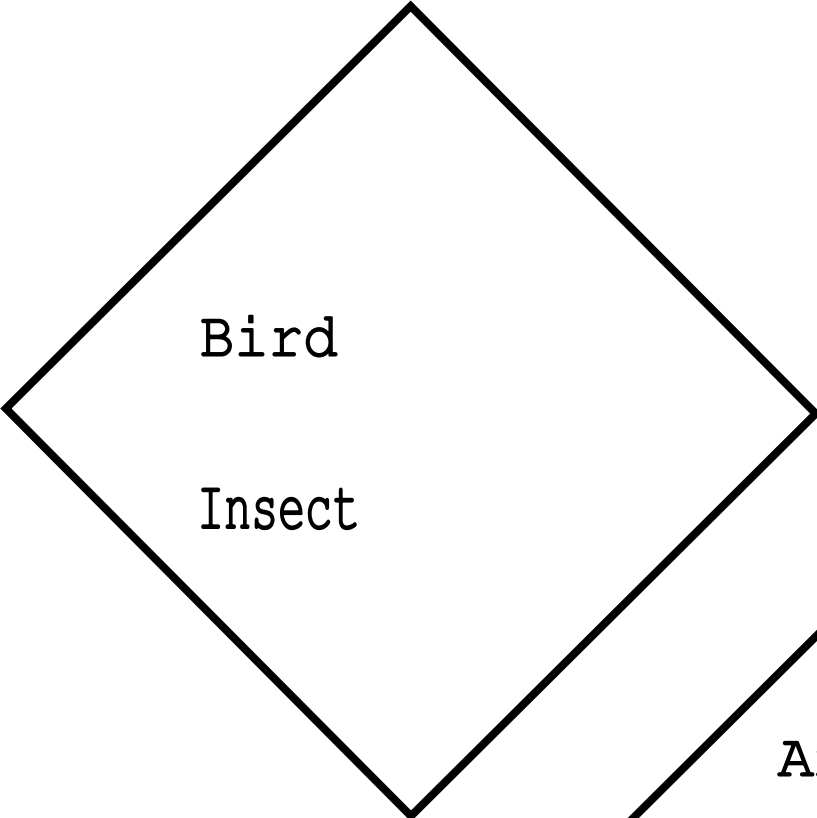


Fossil

Gem

Mineral

Rhodochrosite



Refer to page C of *C is for Centennial* and draw a picture of Colorado's flag and seal.

Flag

Seal

Tartan

Colorado's splendor and history is also symbolized by a plaid cloth pattern. July 1st is designated as "Tartan Day."

The Alpine Zone

Prepare to expand your knowledge of the land above the tree line! Refer to pages A and K of *C is for Centennial* as you choose the correct answers below.

1. Colorado has the [lowest] [highest] mean elevation of any state.
2. Trees growing near the tree line are [crooked and low] [tall and straight].
3. The weather is [harsh] [mild] in the alpine zone.
4. The alpine zone has a [long] [short] growing season.
5. Pikas are related to [rabbits] [elk].
6. [Sunflowers] [Lichen] can be found growing along the high mountain peaks.
7. [High winds] [Gentle breezes] can be expected in the alpine zone.
8. Krummholz is a German word for [crooked mountain path] [crooked wood].

Colorado K-W-L Chart

Complete the K-W "Know and Want" section of the chart below. Read *C is for Centennial* and complete the L "Learned" section. Share facts that you have learned with a partner.

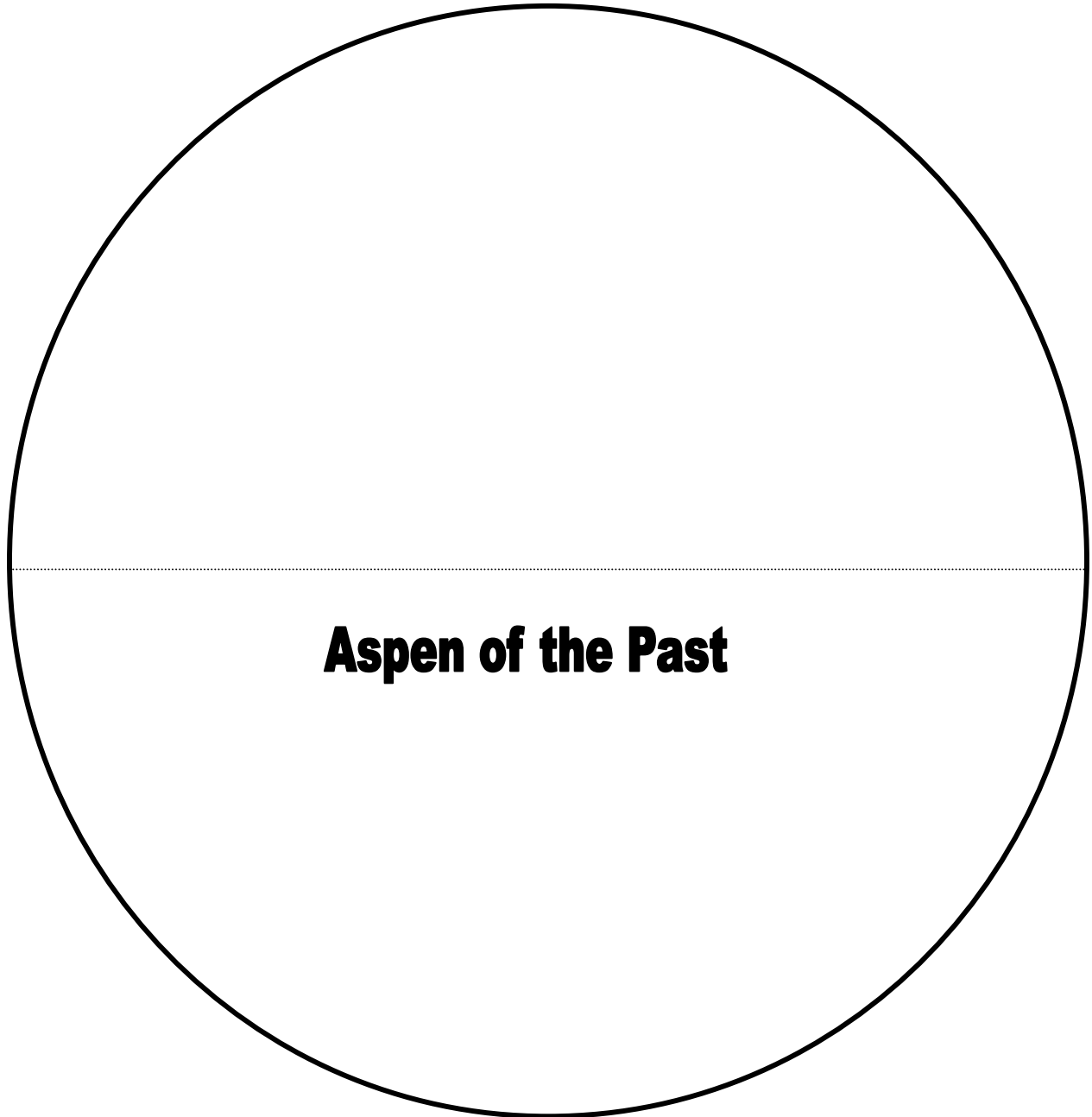
K - What I Know about Colorado

W - What I Want to Learn about Colorado

L - What I Learned about Colorado

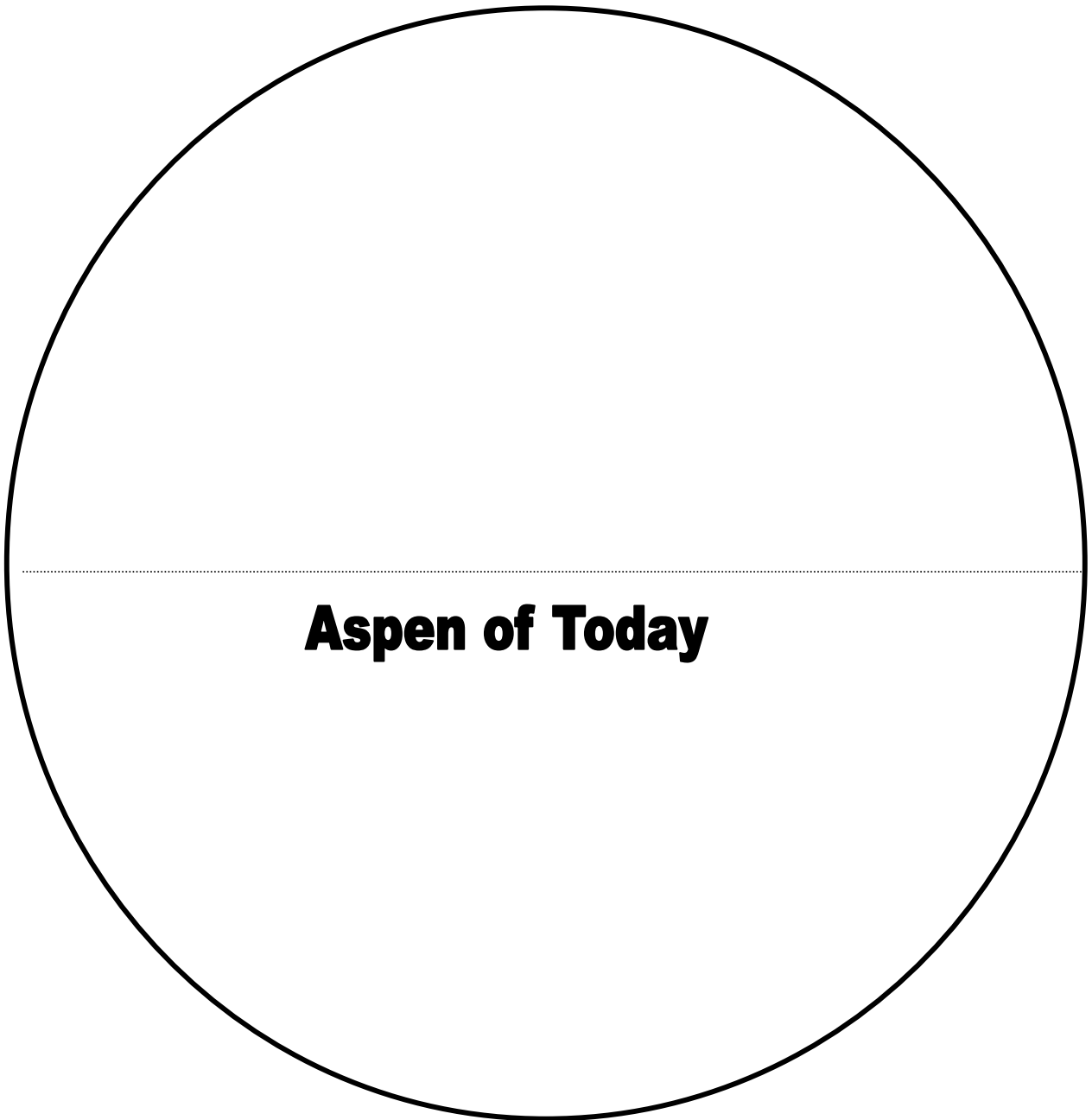
Aspen of the Past and of Today

Read page A of *C is for Centennial*. Draw a picture of Aspen when it was a silver mining camp on the top half of the circle. Write a brief summary on the bottom half of the circle. Cut out the circle and fold along the dotted line. Place the folded circle with the bottom half resting on your desk and the top half positioned vertically.



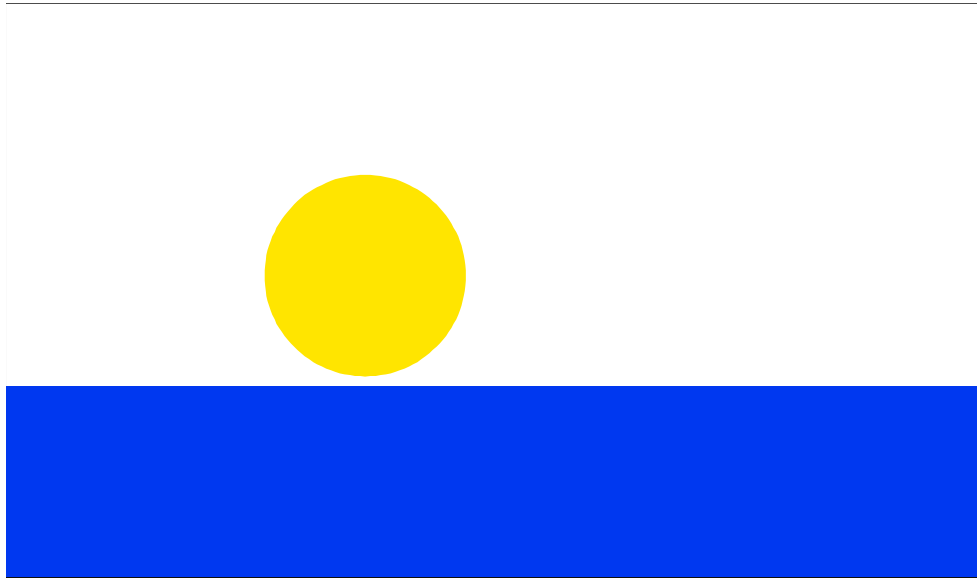
Now draw a picture of the ski resorts of Aspen today on the top half of the circle and write a brief summary on the bottom half of the circle. Cut out the circle and fold along the dotted line. Place the folded circle with the bottom half resting on your desk and the top half positioned vertically.

Place the two vertically positioned circles back to back and glue together.



Colorado's Flag

Refer to page C of *C is for Centennial* and complete the missing parts of the following Colorado flag.



Explain what each color of the state flag represents.

Gold _____

White _____

Red _____

Blue _____

Loveland, Colorado



Sealed with a kiss and a Loveland postmark!

Addressing an envelope is as important as writing the letter. The address gets the letter where you want to send it!

Remember these key points when addressing an envelope.

- Capitalize each proper noun
- Use a comma to separate city and state
- Write the zip code after the name of the state
- Place a stamp in the upper right-hand corner

Directions

Proofread the envelope below for capitalization and punctuation errors.

clark bunting
1860 pikes peak
leadville colorado 80461



mr rocky mountain
1876 state avenue
denver colorado 80010

◆◆◆ Symmetrical Design ◆◆◆

Directions: Circle the pictures that are symmetrical.



Directions: Search for symmetrical pictures on pages I, T, Q, U and Z of *C is for Centennial*. Draw a picture of one of the symmetrical objects.

A large empty rectangular box with a black border, intended for drawing a symmetrical object.

Sand Dune Art

Refer to page D of *C is for Centennial* and create a beautiful sand dune picture by coloring with sand.

Materials

Sand
Powder paint - blue and green
Glue stick
Spoon
Two pieces of white construction paper
Three containers to mix sand in

Directions

1. Pour sand into the three empty containers.
2. Mix powder paint with sand until desired color is achieved. Make one container of blue sand and one container of green sand.
3. Draw a sand dune picture on one piece of the white paper.
4. Using the glue stick, cover the sky area of your picture with a thin layer of glue.
5. Spoon the blue sand over the glue area.
6. Shake the excess sand off the paper onto the other piece of paper. Return excess sand to its container.
7. Allow the blue sand to dry.
8. Continue the same process using the uncolored sand for the sand dunes.
9. Finally, repeat the process one more time to make the grass area of your picture.

Consider adding pronghorn antelope to your picture. Mix brown powder paint with a container of sand and repeat above process.

Search and Find

Use *C is for Centennial* and play a game of search and find. Have a partner choose a word from the list below. Search for the picture in the book. After you find the picture, read aloud the passage of that page to your partner. It's now your turn to choose a word and have your partner search and find!

Word List

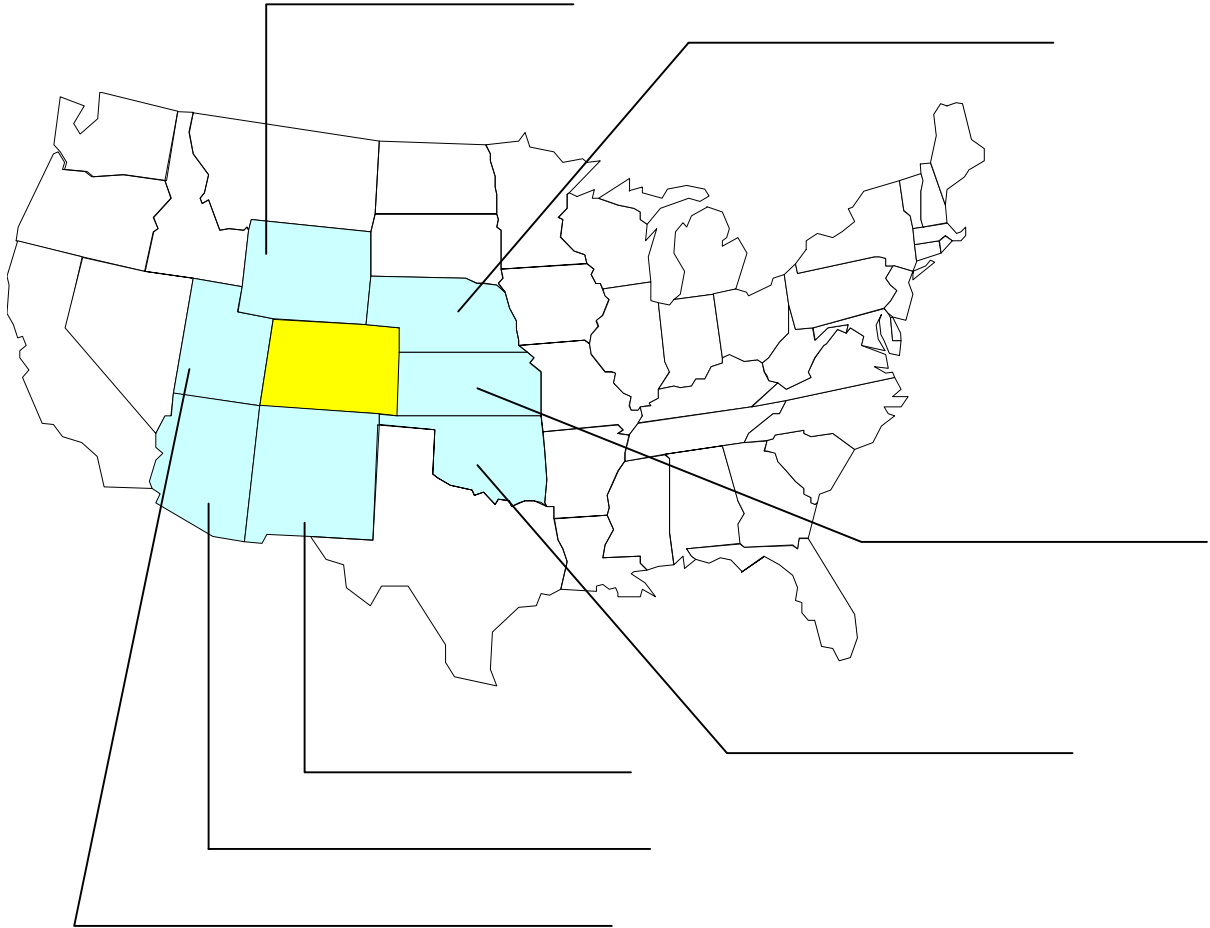
Royal Gorge Bridge
Rocky Mountain bighorn sheep
State gem - Aquamarine
Schwinn bicycle
Cross-country skiers
Pikas
State insect - Hairstreak Butterfly
State bird - Lark Bunting
Celestial Seasonings Tea
The Garden of the Gods
Molly Brown House Museum
Buffalo Bill
Zebulon M. Pike
State flag and seal
United States Air Force Academy
Mesa Verde
Great Sand Dunes National Monument and Preserve
Pony Express rider
Enos Mills
Santa Claus
Bald Eagle
Four Corners Monument

Where Am I?

Solve the locations of Where Am I? Use *C is for Centennial* and read the following clues to discover interesting places in Colorado.

1. I am deep within Cheyenne Mountain near Colorado Springs. I am tracking Santa Claus on my computer. Where am I? _____
2. I am at the gravesite of Buffalo Bill. Where am I? _____
3. I am at the only mountain zoo in the United States. Where am I? _____
4. I am at the tallest sand dunes in America. Where am I? _____
5. I am at one of the last highways in Colorado to be paved. This is one of the steepest and highest passes in the United States. Where am I? _____
6. I am at the highest peak of the Southern Rockies in Colorado. Where am I? _____
7. I am at the site of prehistoric ruins built by the Anasazi. Where am I? _____
8. I am in four states at the same time. Where am I? _____
9. I am at America's highest city with an elevation of over 10,000 feet above sea level. Where am I? _____
10. I am at a national park that means "green table." Where am I? _____

Colorado's Neighbors



Label Colorado's Neighboring States

New Mexico
Nebraska

Arizona
Kansas

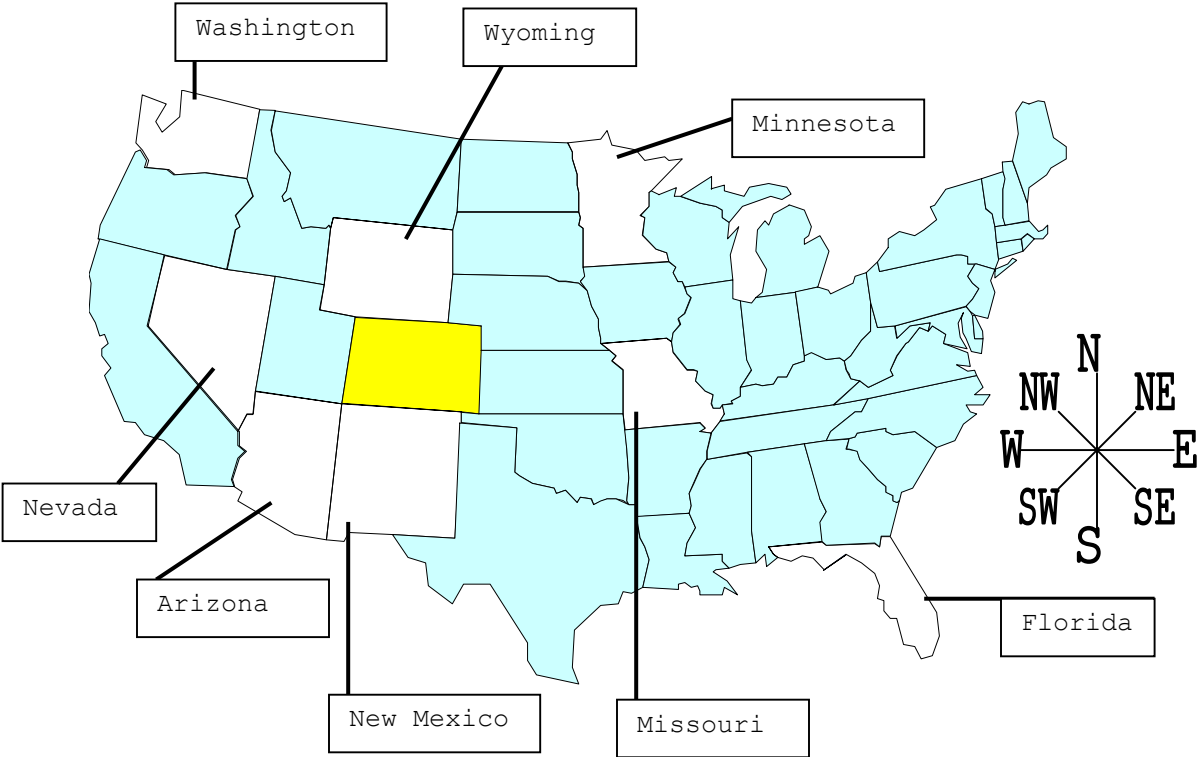
Utah
Oklahoma

Wyoming

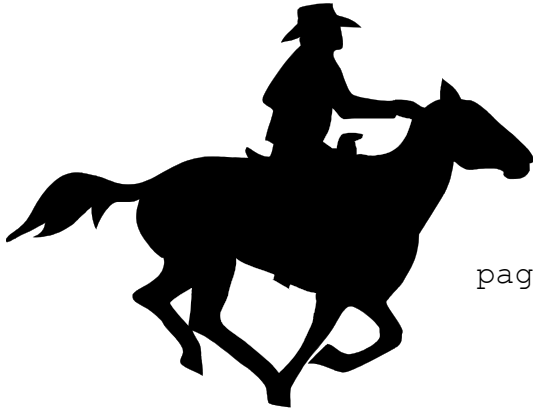
Which states create the Four Corners?

Which Way Do I Go?

The map below is a map of the United States, except for Alaska and Hawaii. Colorado is highlighted in yellow. Use the compass rose to determine what direction you would travel from Colorado to each of the listed states below.



<u>Direction</u>	<u>State</u>
North	_____
South	_____
East	_____
West	_____
Northeast	_____
Northwest	_____
Southeast	_____
Southwest	_____



The Pony Express

Read about the Pony Express on page P of *C is for Centennial*.

Solve each problem below to find the answer to each Pony Express question.

1

How many weeks did regular mail delivery service take before the Pony Express delivery began?

$$12 - 9 = \underline{\quad}$$

It took regular mail delivery service up to weeks to cross the United States.

2

How many days did the Pony Express schedule allow for mail delivery?

$$2 + 3 + 5 = \underline{\quad}$$

The Pony Express schedule allowed days for the scheduled trip between Saint Joseph, Missouri and Sacramento, California.

3

When the Pony Express was first established, the stations were an average of 25 miles apart and each rider was expected to ride 75 miles a day. How many stations would one rider travel to in one day?

4

How old was "Buffalo Bill" (William Frederick Cody) when he was a rider for the Pony Express?

$$9 + 5 = \underline{\quad}$$

Buffalo Bill was years old when he became one of the riders for the Pony Express.



Some folks might say the R in Colorado stands for rodeo! Read page R of *C is for Centennial* for facts to back up this claim.

In most rodeo riding events, the rider tries to stay mounted for a time period of 8 seconds. This can be a long time on a bucking bronc or bull! Grab a stopwatch and try to complete these activities in 8 seconds.

In 8 Seconds

In 8 seconds try to write or say . . .

- the alphabet
- 5 cities in Colorado
- 5 state symbols
- the states connected at Four Corners
- the states that border Colorado
- 5 rivers in Colorado
- 5 springs in Colorado
- 5 animals at the Cheyenne Mountain Zoo
- say Colorado blue spruce 10 times
- 5 animals found at the Rocky Mountain National Park
- spell Colorado's state insect - hairstreak butterfly



Royal Gorge Suspension Bridge 1,053 Feet High!

Read about the Royal Gorge Suspension Bridge on page R of *C is for Centennial*. Compare the facts and figures of the bridge by using the less than $<$ and greater than $>$ symbols. Write the correct symbol in the box for each comparison.

1.

1,053 feet

1,260 feet

Height of the
suspension bridge

Length of the
suspension bridge

2.

1,000 tons

300 tons

Weight of the
bridge's steel floor

Weight of the
bridge's cables

3.

\$350,000

\$20,000,000

Original cost to
build the bridge

Estimated cost to
build the bridge today

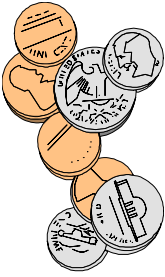
4.

151 feet 1 inch

150 feet

Height of the
Statue of Liberty
from base to torch

Height of the
bridge's towers

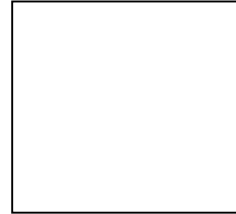
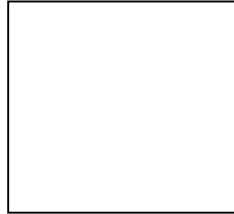
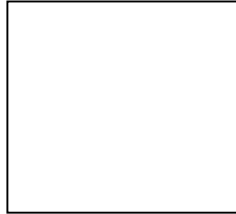
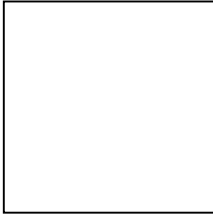


U.S. MINT DENVER, COLORADO

Materials Needed: coins - penny, nickel, dime, and quarter.

Trace the coins

In each box, trace the penny, nickel, dime, and quarter.



Take a closer look at the edges of the coins. What do you notice?

Hold a penny and dime in your hand and close your eyes. Can you feel which coin is the penny?

Coin Rubbing

Place a quarter under the paper and make a coin rubbing of each side.

Figure it out

Circle the amount that is worth more.

8 pennies and 2 nickels OR 1 dime and 1 nickel

5 nickels and 1 dime OR 10 pennies and 3 nickels

1 quarter and 5 pennies OR 1 quarter and 1 dime

COLORADO WORD SEARCH

ALPINE	ASPEN	LOVELAND
CENTENNIAL	ROCKIES	VAIL
COLUMBINE	DENVER	LEADVILLE
MOUNTAIN	HOVENWEEP	RODEO
ELEVATION	PIKA	SILVER

A S P E N L A N D C E N T A D E N A
S L E A D I N V E P R R S C E N T R
R C U A S C E N T E N N I A L O D V
M O N L U O M A S P W E E P E N O H
V L D V E R M L A R L O C K A S M O
A M M D A A O M S I R D L L D V O V
P R O L I C D D A S P E E D V N U E
E R U U E A D V E V R V A L E R A N
E M O U N E A P I C O L D A E C L W
W E E P N T E L P L D I R V N O E E
E C O I N E A D E N L V N D E L A E
P L P V W B U I O H O E O V N U D P
S L O B R L O M N V D E C I W E A O
A H I C O L U M B I N E K L O K I A
R O D C D H O V E A R O C K I E S D
E L E V A T I O N D E V I P I S I L
P I C C S I L V D C E N T I I C O L
E L E V D E N V S I L V E R C O L U

ANSWER PAGE

State Symbols

Bird - Lark Bunting

Animal- Rocky Mountain Bighorn Sheep

Folk Dance - Square Dance

Nickname - Centennial State

Grass - Blue Grama Grass

Gem - Aquamarine

Insect - Hairstreak Butterfly

Song - "Where the Columbines Grow"

Capital - Denver

Tree - Colorado Blue Spruce

Fossil - Stegosaurus

The Alpine Zone

- | | | | |
|------------|--------------------|---------------|-----------------|
| 1. Highest | 2. Crooked and low | 3. Harsh | 4. Short |
| 5. Rabbits | 6. Lichen | 7. High winds | 8. Crooked wood |

Colorado's Flag

Gold - sunshine

White - snowcapped mountains

Red - color of the earth

Blue - clear blue sky

Colorado Crossword

- | | | | |
|-----------------|---------------|---------------|----------------|
| 1. Centennial | 2. Hovenweep | 3. Mt. Elbert | 4. Stegosaurus |
| 5. Square dance | 6. Aquamarine | 7. Denver | 8. Colfax |

Loveland, Colorado

All proper nouns need capitalization:

Clark Bunting

Pikes Peak

Leadville, Colorado (also needs comma between city and state)

Mr. Rocky Mountain (also needs period after abbreviation)

State Avenue

Denver, Colorado (also needs comma between city and state)

Where Am I?

- | | |
|--|--------------------------|
| 1. NORAD (North America Aerospace Defense Command) | |
| 2. Lookout Mountain | 3. Cheyenne Mountain Zoo |
| 4. Great Sand Dunes National Monument and Preserve | |
| 5. Wolf Creek Pass | 6. Mt. Elbert |
| 7. Hovenweep National Monument | 8. Four Corners Monument |
| 9. Leadville | 10. Mesa Verde |

Which Way Do I Go?

North - Wyoming

South - New Mexico

East - Missouri

West - Nevada

Northeast - Minnesota

Northwest - Washington

Southeast - Florida

Southwest - Arizona

The Pony Express

- | | | | |
|-------|--------|-------|--------|
| 1.) 3 | 2.) 10 | 3.) 3 | 4.) 14 |
|-------|--------|-------|--------|

Royal Gorge Suspension Bridge

- | | | | |
|-------|-------|-------|-------|
| 1.) < | 2.) > | 3.) < | 4.) > |
|-------|-------|-------|-------|

U.S. Mint

The edge of the penny is smooth. The edge of the dimes has ridges.

Which amount is worth more:

8 pennies and 2 nickels

5 nickels and 1 dime

1 quarter and 1 dime