

BOOKLET FOR AGES 11-UP

Welcome to Montezuma National Wildlife Refuge!



Montezuma National Wildlife Refuge was established on September 12, 1938 as a refuge and breeding ground for migratory birds and other wildlife.

The refuge contains over 10,000 acres of protected lands and managed wetlands that provide resting, feeding, and nesting habitat for waterfowl and other migratory birds. Montezuma is situated in the middle of one of the most active flight lanes in the Atlantic Flyway.

The activities in this booklet offer you an opportunity to explore the Montezuma Wildlife Refuge. You and your family can learn more about the history of the refuge and about the role of the refuge in preserving the natural resources needed for migratory birds.

Use the informational displays in the Visitor Center, the one-mile long Seneca Trail, and the observation tower. If you find anything in this booklet difficult, please ask someone in the visitor center for assistance.

The Junior Refuge Manager certificate and badge will be earned upon successful completion of the activities in this booklet. When you are done with all of the activities bring the booklet to a Visitor Center Volunteer. The volunteer will discuss the activities with you and then you will be awarded your certificate and badge.

Enjoy your visit to the Montezuma National Wildlife Refuge!

Role of Adults: This booklet is a family activity. Please allow the child to answer the questions in their own words. After the activities are completed, an adult should review the activity with the child.



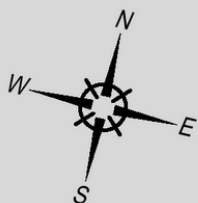
NAME _____

ACTIVITY 1 -Using the interactive map located in the visitor center, complete this activity to learn about the flight paths of three migratory birds.

KEY:
 Bald Eagle ===== In blue
 Cerulean Warbler - - - - - In red
 Wood Duck _____ In black

DIRECTIONS :

The National Wildlife Refuge System was created to provide a chain of stepping-stones for birds along their migratory path. **Using the key, label the migratory paths of the bald eagle, the cerulean warbler, and the wood duck.**



Bald Eagle



Cerulean Warbler



Wood Duck

ACTIVITY 2

WOOD DUCK FACTS OR FICTION

Decide if each statement is a fact or if the statement is fiction. Write the words fact or fiction on the lines before each statement. Use the displays in the visitor center to answer this section.

_____ Wood ducks only live in man- made boxes.

_____ Wood ducks cannot bring food to their young.




























_____ Wood duck moms push their babies out of the nest.

_____ Wood duck babies can "bounce" because they are lightweight and covered with fluffy down.

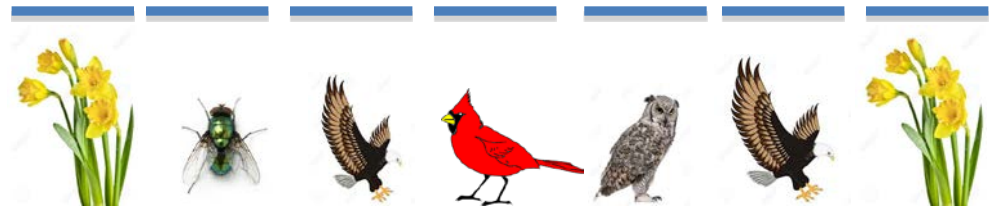
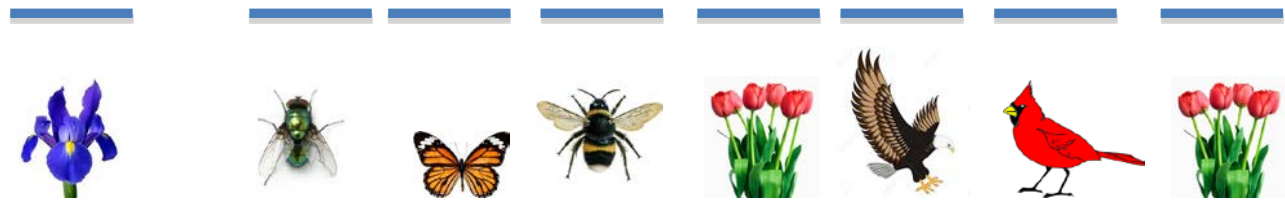
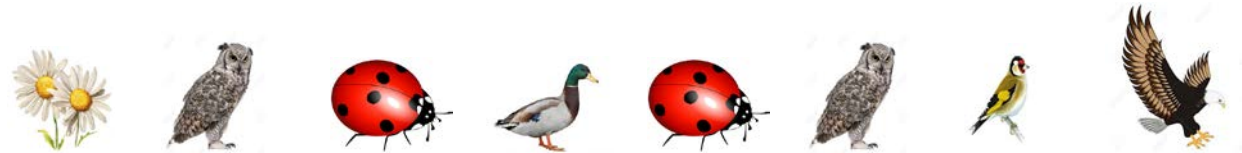
_____ Wood duck babies jump to the ground 24 hours after hatching.



ACTIVITY 3 Use this CODE to solve (decode) the statement on the following page.

Robin  A	Blue jay  B	Cardinal  C	Duck  D	Eagle  E	Gold finch  F	Goose  G	Heron  H	Owl  I
grasshopper  J	dragonfly  K	ladybug  L	mosquito  M	ant  N	bee  O	fly  P	Japanese beetle  Q	butterfly  R
daffodil  S	tulips  T	rose  U	violet  V	daisy  W	marigold  X	petunia  Y	sunflower  Z	iris  &

Use the code on the previous page to find the Purpose of a National Wildlife Refuge.



WHAT'S IN A NAME?

Using the displays in the visitor's center, learn about the naming of Montezuma National Wildlife Refuge. Connect the eggs that contain the correct information about the history behind the naming the Montezuma National Wildlife Refuge.

WHO

THEODORE
ROOSEVELTPETER
CLARKPAUL
KROEGEL

JOB

New York
City
lawyerManhattan
teacherNew York
City doctor

WHERE

HILLTOP
MARSHLAND
ESTATEFOREST
HOMELAKE
PROPERTY

WHEN

LATE
1800'SEARLY
1800'SEARLY
1900'S

WHY

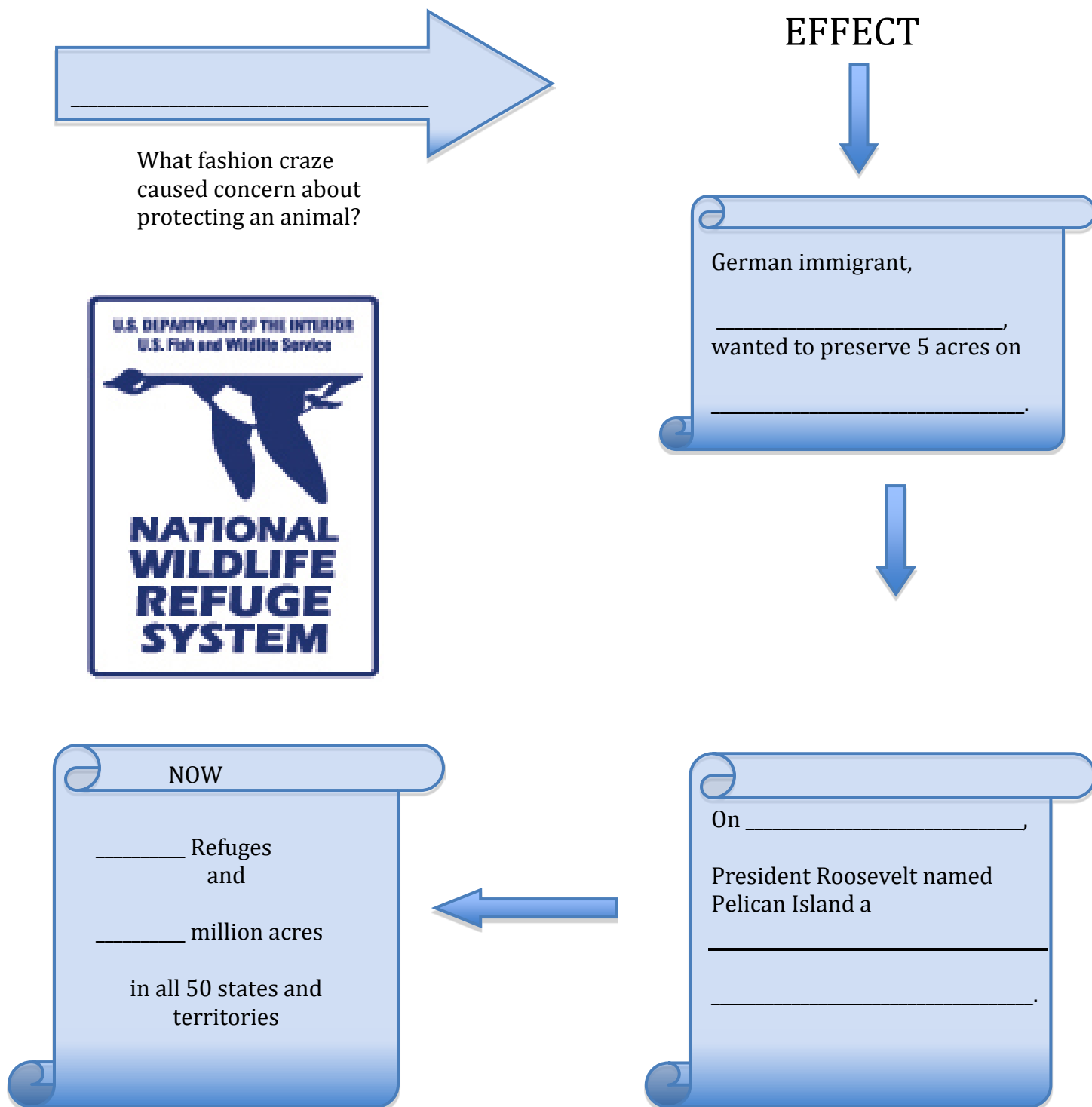
NAMED AFTER
MONTEZUMA
CASTLE IN
ARIZONANAMED AFTER
THE CITY OF
MONTEZUMA IN
IOWACOMPARED TO
PALACE OF
AZTEC
EMPEROR

ACTIVITY 5

Using the display boards in the visitor center, complete the following activities.

Fill in the blanks on the arrows to find a cause and effect relationship that led to the development of the national refuge system.

History of the Refuge System



ACTIVITY 6

Walk the **Seneca Trail** and complete the following activities.

Stop at the Centennial Viewing Platform (next to the tower) to answer the following questions.

1. Why are the water levels regulated at Montezuma National Wildlife Refuge?
2. How are the grasslands cared for or managed at Montezuma National Wildlife Refuge?

ACTIVITY 7

Look through a birding scope on the deck to locate a bird in the viewfinder.

Sketch what you see.

What type of bird do you think
you are sketching?

Compare your drawing
to pictures in a bird
guidebook to see if you
made the correct
identification.
(books are located at the
visitor center desk)

Based on your picture
and the guidebook, what
bird did you see?










ACTIVITY 8

Take a walk on the Seneca Trail Play Tic Tac Trail

Put an X over each of the natural wonders that you see as you walk the loop trail.

Use your observational skills!

(Get three in a row – diagonally, vertically, or horizontally, or as many as you can)

 Dragonfly	 Bird's nest	 Turtle
 Woodpecker hole	 Goose	 Fish
 Red -winged blackbird	 Heron	 Beaver cut tree



CERTIFICATE OF ACHEIVEMENT Awarded to

For successfully completing the requirements to become a

JUNIOR REFUGE MANAGER



Volunteer signature

Date