

RIVERS OF NORTH AMERICA

13 PART SERIES

ARKANSAS
COLORADO
COLUMBIA / SNAKE
CONNECTICUT
HUDSON
INDIAN / INLAND WATERWAY
LOWER MISSISSIPPI
UPPER MISSISSIPPI
MISSOURI
OHIO
POTOMAC
RIO GRANDE
SACRAMENTO / AMERICAN

Consider Visiting These Web Sites:

<http://www.hhr.highlands.com/nathist.htm>
<http://www.canals.org/erie.htm>
www.encyclopedia.com
<http://www.hhr.highlands.com/default.html>
<http://www.hudsonriver.com/>



Film ideas, inc.

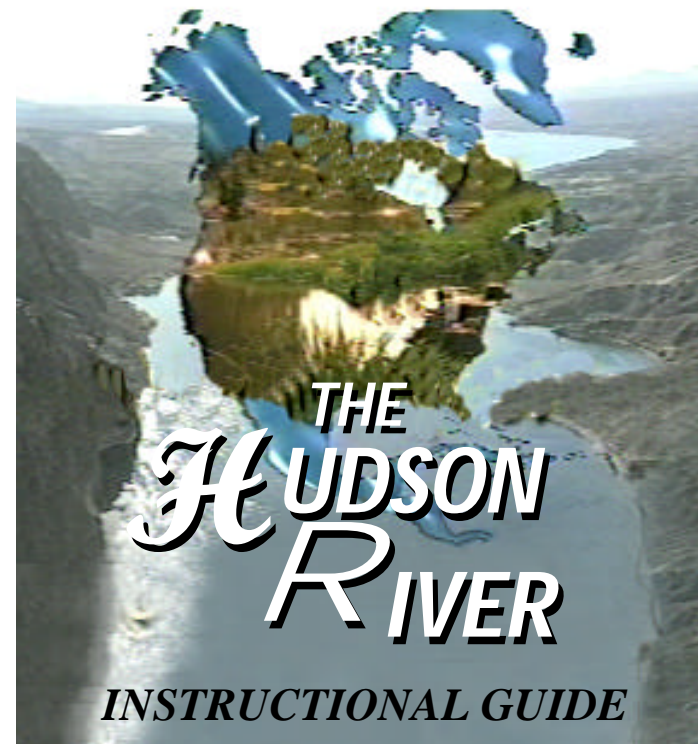
308 N. Wolf Rd.
Wheeling, IL60090

Tel: 1-800-475-3456
E-mail: filmid@ais.net
Web Site: www.filmideas.com
Copyright © 2001

film ideas, Inc.
Presents

**Rivers
of
North America**

13 Part Series



INTRODUCTION TO SERIES

Rivers of North America Series brings a unique perspective to the role great rivers have played in the early development and subsequent settlement of a region and a nation. Each river has its own unique story to tell, it's own geology, geography and history.

As a complementary device with each video, an instructional guide suggests exercises to help teachers, parents and students. These interactive exercises will reinforce and further develop a student's level of comprehension.

The instructional guide provides:

Vocabulary
Chronology / Q & A
Native People / Explorers
Discussion Points / Activities
Geography / Geology
River / Cities Development

**Permission granted to copy the
exercises provided in this guide.
For educational use ONLY.**

*E-Guides available at
www.filmideas.com*

NOTES:

ENVIRONMENT of *The HUDSON RIVER*

In 1903 New York health officials conducted a study of the Hudson River's water. Review the video and write below why this study was conducted.



THE *HUDSON RIVER*

At 315 miles long, the Hudson River is considered one of the shortest rivers in America. Although small, the Hudson River is steep in historical and geographical relevance. Like a true American legend, this river played a prominent role during the founding and growth of the United States.

Carved by glaciers, the Hudson River was created 12,000 years ago during the last Ice Age. Its headwaters originate from the clear cold trickling streams high above the Adirondack Mountains. Below its surface lies an older river channel which some scientists believe dates back to a billion years.

Scientists also believe the first known people to inhabit the Hudson River region were from ancient Indian tribes dating back 8,000 years ago. For food and clothing these nomadic tribes hunted herds of animals throughout the Hudson area. Following early Indian cultures, in about 1524 Giovanni da Verrazano an Italian, became the first European to explore this newly discovered land. Later in 1609 Henry Hudson an Englishman, whom the river was named after, sailed for the Dutch East India Company in search for the fabled "Northwest Passage" to the Pacific Ocean. As European colonization expanded into private businesses nations competed for territorial control of the Hudson region. Because of its strategic location for transportation and commerce the Hudson River became a primary battleground during the Revolutionary War. George Washington knowing of its importance established his Army Headquarters on the Hudson River, at Newburgh.

After the Revolutionary War ended development along the river began to increasingly emerge. In 1807, the first ever steamboat set sail on the Hudson, Albany became the capital city for the state of New York and New York City became the gateway for 12 million European and Mediterranean immigrants.

The rich heritage of the Hudson River is not based on its size but rather its mystic, character and charm. From its headwaters high above the Adirondack Mountains to the welcome site of the statue of liberty, the Hudson River will always be a significant chapter in American History.

VOCABULARY of *The HUDSON RIVER*

ALBANY: Capital City of New York State and major city located along the Hudson River.

DROWNED RIVER: Name given to a river which has an older river below its surface. Scientists believe an older river channel lies below the Hudson River dating back a billion years.

ERIE CANAL: Completed in 1825, this canal flows 425 miles and is 40 feet wide. The purpose of building this canal was to connect the Hudson River with Lake Erie and reduce the shipping time from New York City to Buffalo, N.Y..

ESTUARY: A water passage where the ocean tide meets a river current – an arm of the sea at the lower end of a river i.e. Hudson River and Atlantic Ocean.

GIOVANNI DA VERRAZANO: An Italian explorer, credited with the discovery of the Hudson River and the New York Harbor in 1524.

HEADWATERS: The mixture of melting snow and rain form into the little creeks and streams which become the initial water source for larger bodies of water i.e. The Hudson River.

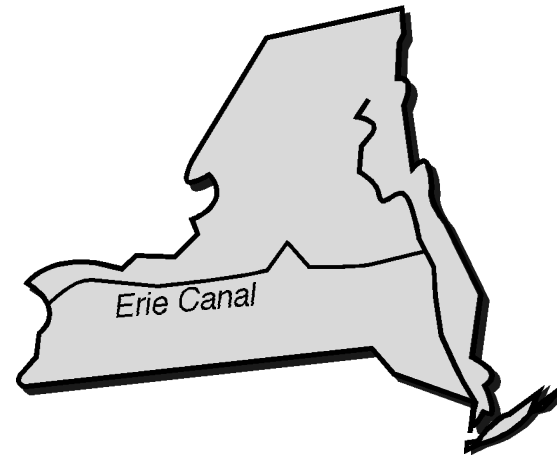
HENRY HUDSON: An Englishman, who in 1609 sailed for the Dutch East India Company in search for the fabled “Northwest Passage” to the Pacific Ocean. During his travels he sailed up a river he called the “River of Mountains”, that river (The Hudson River) later beared his name.

Letters A thru C describe three Hudson River sites. Write the name of that sites on the solid black line. Then with a Black Marker write the letter **A, B, C** to indicate where on the Hudson River map each site is located.

A) _____ is one of the largest cities in the world.

B) _____ is the capital city of New York State.

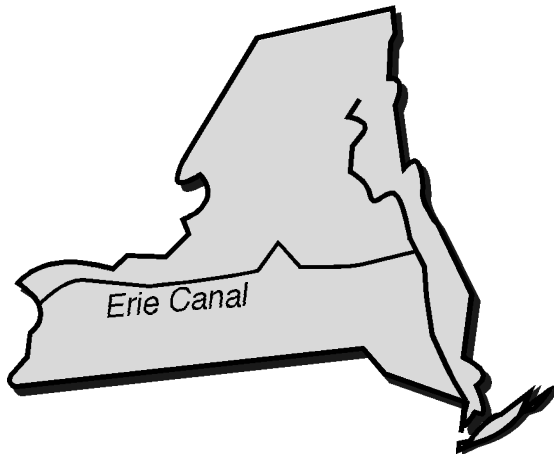
C) _____ is the site of the U.S. military academy founded in 1802 by President Thomas Jefferson.



GEOGRAPHY of *The HUDSON RIVER*

The Hudson River journeys through **one state, before emptying into a body of water**. On the solid black line name each of these areas.

STATE: BODY OF WATER
① _____ ② _____



HUDSON RIVER (The): Its headwaters originate in the Adirondack Mountains in upstate New York and travels 315 miles south, near the New York City Harbor, before emptying into the Atlantic Ocean.

LAKE TEAR OF THE CLOUDS: Located in the Adirondack Mountains and it is the source for the headwaters which eventually form into the Hudson River.

MILLIONAIRE'S ROW: A collection of home estates located along the eastern shore between Hudson and Hyde Park.

NEW AMSTERDAM: One of the first Dutch colonies established by the "West India Company" in 1626. Manhattan Island which was the location of the colony was purchased by the Dutch from the Indians for the sum of \$24.00 in beads and trade goods.

NEW NETHERLAND: Dutch villages established during the 1600's located north of the Dutch colony New Amsterdam along the Hudson River.

NEW YORK CITY / NEW YORK HARBOR: One of the largest cities in the world. New York's international harbor, is the site of our national symbol of freedom, the Statue of Liberty and Ellis Island where from 1892-1942, 12 million European and Mediterranean immigrants were welcomed into the United States.

PALISADES: 50 miles of stone cliffs along the riverbanks of the Hudson River.

TAPPAN ZEE: Zee is Dutch for sea and is an area nine miles long and two miles wide. Because its located near the Atlantic Ocean the waters of this area are brackish which means it's combined with both fresh and sea water.

CHRONOLOGY of *The HUDSON RIVER*

Billion years ago: Some scientists believe an old river channel flowed below the Hudson River.

12,000 years ago: Glaciers before the end of the last Ice Age form the Hudson River.

8,000 years ago: Ancient Indian cultures inhabit the Hudson River area.

1000: Hudson River Indians learn how to grow crops.

1524: Italian explorer Giovanni da Verrazano discovers New York Harbor and the Hudson River.

1609: Henry Hudson an Englishman sailing for the Dutch East India Company searches for the fabled "Northwest Passage" to the Pacific Ocean.

1624-26: The Dutch colonies of New Amsterdam and New Netherland is established.

1664: Major war fought between the English and the Dutch for control of the Hudson River Area.

1775: Revolutionary War begins. Because of its strategic location both the British and American Colonies fight for control of the Hudson River.

1802: U.S. President Thomas Jefferson establishes the U.S. Military Academy at West Point.

1807: Robert Fulton sails the first ever steamboat on the Hudson River.

1825: The construction of the Erie Canal is completed.

1892-1942: 12 million European and Mediterranean immigrants are welcomed into the United States through Ellis Island, N.Y.

Discussion Points / Activities

1. If possible visit some of the locations along the banks of the Hudson River as discussed in the video. SEE Pg. 5 of this guide. Also check out the internet for web sites about the rivers rich heritage. SEE BACK PAGE.

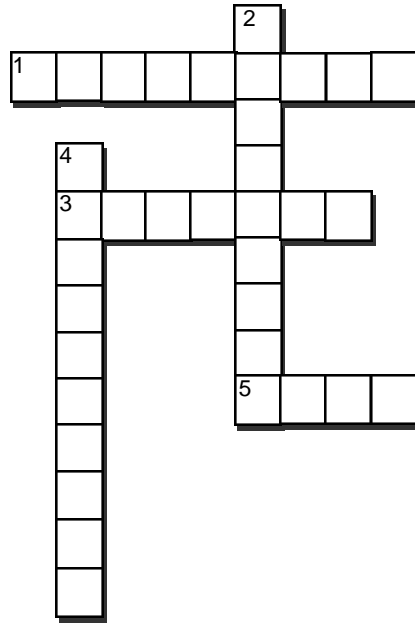
2. Draw a map (if you like, use a computer or the map provided on page 11) of the river, indicating significant points of interest. For example, Albany, the Erie Canal etc.

3. Discuss how each of the following events have affected the past and present-day conditions of the Hudson River:

- 1) Building of the Erie Canal
- 2) The arrival of Indian cultures & European explorers
- 3) Development of cities

4. The ecosystems along rivers and other bodies of water sustain many different life forms. If possible visit a river (the Hudson River) and imagine you are an ecologist. Study these different life forms and document their relationships with the river environment. i.e. bring binoculars, take photographs, paint a river scene, write a poem, sample various vegetation to view under a microscope etc.

Use the words described in this guide on pgs. 2, 3 & 5 to complete the crossword.



ACROSS:

- 1) 50 miles of stone cliffs along the Hudson River.
- 3) Water passage where the ocean tide meets a river current.
- 5) This canal reduced the shipping time from New York City to Buffalo, N.Y..

DOWN:

- 2) An area nine miles long and two miles wide; Dutch for sea.
- 4) small creeks and streams which become the initial water source for rivers.

ANSWERS:
Across - (1) Palisades, (3) Estuary, (5) Erie
Down - (2) Tappan zee, (4) Headwaters

People of *The HUDSON RIVER*

GIOVANNI DA VERRAZANO: Italian explorer who in 1524 discovered New York Harbor and the Hudson River.

HENRY HUDSON: An Englishman who in 1609 sailed for the Dutch East India Company in search for the “Northwest Passage” to the Pacific Ocean. During his travels a river (The Hudson River) he called “River of Mountains” later beared his name.

PETER MINUIT: In 1626 he administered “New Amsterdam” one of the first Dutch colonies.

ROBERT FULTON: In 1807, he sailed the first ever steam-boat on the Hudson River.

PLACES OF THE HUDSON RIVER REGION:

ALBANY: Capital city for the state of New York.

NEW YORK CITY / NEW YORK HARBOR: One of the world’s largest cities. Home to the New York Stock Exchange, Statue of Liberty, Ellis Island and many museums, libraries, concert halls, galleries, theatre districts, etc.

LAKE TEAR OF THE CLOUDS: Located in the Adirondack Mountains in northeast New York, this is where the forming of headwaters for the Hudson River begins.

ADIRONDACK MOUNTAINS: Mountain range located in northeast New York where the headwaters of the Hudson River begin to flow. Home to Mt. Marcy, at over 5,300 feet it is the highest point in New York State.

MILLIONAIRE’S ROW: A collection of home estates located on the east shore between Hudson and Hyde Park.

WEST POINT: Site of the U.S. Military academy founded in 1802 by Thomas Jefferson.

Q & A for *The HUDSON RIVER*

1. Headwaters are created from melting snow and rain. Eventually this water forms into creeks and streams which become the headwaters for rivers. Name the mountain range from where the headwaters of the Hudson River originate?
2. Explain why the Hudson River was an important location during European colonization and the Revolutionary War?
3. The Hudson River ends its journey by emptying into what body of water?
4. What is one of the shortest rivers in the United States?
5. Who were the first people to inhabit the Hudson River region? Who was the first European explorer to discover the region?
6. The Hudson River is considered a “drowned river”. Define what this term means?
7. What was Henry Hudson searching for while sailing through the river, he called “River of Mountains”, which later beared his name (The Hudson River)?
8. At 425 miles long and 40 feet wide, in 1825 the construction of the Erie Canal was finally completed. Why was this canal built?

Fill in the blank by selecting the words from the answers list:

ANSWERS LIST :

Lake Tear of the Clouds • Peter Minuit • New Dutchland
Ancient River • Lake Tear of the Earth
Henry Hudson • Robert Fulton • New Amsterdam
Drowned River • Giovanni da Verrazano

9. A) The Hudson River is considered a _____ because an older river channel lies below its surface.
- B) In 1524, Italian explorer _____ discovered the Hudson River and the New York Harbor.
- C) In 1807 _____ sailed the first ever steamboat on the Hudson River.
- D) Located in the Adirondack Mountains, _____ is where the forming of headwaters for the Hudson River begins.
- E) _____ became one of the first Dutch colonies established by the “West India Company”.