



Environment & Geography Grades 7-11

Bodies of Water in India & Canada

Learning Objectives

- Learn basic facts about at least one body of water in Canada and India.
- Compare and contrast bodies of water in Canada and India.
- Identify ways that people and animals depend on bodies of water.
- Identify challenges to water conservation in the world.
- Identify solutions to water conservation in the world.



Materials:

- Access to research equipment (internet and/or encyclopedias)
- Handout, 'Facts about our body of water'

Time: 3 hours

Group or pair work

Half the class is assigned a body of water in India, and the other half a body of water in Canada.

India Rivers: http://en.wikipedia.org/wiki/List_of_rivers_of_India

India Lakes: http://en.wikipedia.org/wiki/Lakes_in_india

Canada Rivers: http://en.wikipedia.org/wiki/Rivers_in_Canada

Canada Lakes: http://en.wikipedia.org/wiki/Lakes_in_Canada

Groups **research** these bodies of water, **fill out** as many of the facts below as possible and **compile** the information as a report. They **present** their findings to the class as a summary.

Class Discussion

Can we identify three major, general differences between bodies of water in India and Canada?

How about three similarities?

Pair groups: one with a Canadian body of water and one with an Indian body of water.

Groups answer the following questions:

Can you find more differences and similarities between the bodies of water?

What are the challenges to water conservation? Are they similar/different in Canada and India?

Research three ways that scientists and/or communities are working to conserve the water environment.

Present to the class.

Facts about our body of water

NAME OF LAKE OR RIVER: _____

Find a picture and use it as a cover page for this report.

Find out as much information as you can about the body of water and fill out the following categories:

Geographical & Environmental aspects

Location

Environment around the lake/river

Other body of water attached to this one (streams/lake/river/sea/ocean) à

Animals living in and around the lake/river

How are animals and nature dependent on this lake/river?

Biochemical aspects

Alkalinity

Turbidity

pH

Temperature

Colour/Taste/Odour

Chemicals found in the water

Is this a healthy lake/river? Why/why not?

Social aspects

Closest city

Closest population of people

Number of people

Industries nearby

Impact of industries/populations nearby

How are people dependent on this lake/river?

Historical aspects

What is the meaning of this lake/river's name?

What did this body of water look like:

50 years ago?

100 years ago?

500 years ago?

Problems & Solutions

What are some of the challenges or problems presented to this body of water?

What are people doing to face these challenges?