



unless otherwise noted, write answers in complete sentences.

Before the Basin

1. Go to the Champlain Sea tide pool. Identify three animals that once lived in this area and how they came to live in this region.

Three animals that are found in the Champlain Sea Tide Pool are _____,
_____, _____, they were able to live in this region because
_____.

2. Although the Adirondack and Green Mountains look the same, they are very different. From what type of rock is each mountain range formed? Circle the number of the mountain range that is older.

- 1. The Green Mountains are formed from _____.
- 2. The Adirondacks are formed from _____.

3. Fossils found in the Lake Champlain Basin are millions of years old. Draw a picture of a gastropod. What is the name of the water body they lived in back when the Earth was forming?

Name of Ocean: _____



Watershed Way

4. Rivers carry water great distances and have great power to carve the landscape. Over time, do you think the path of a river stays the same or is changing?

- Rivers always stay the same.
- Rivers change over time.

What is the definition of erosion? _____

What are two things that can cause erosion on mountains? _____

Land of Opportunity

5. Lichen is a combination of algae and fungus. They work together to survive in the harsh alpine region. (They kind of take “a likin’ ” to each other!) It can take many, many years for lichen to grow.

How many millimeters might a lichen grow in a year? _____ mm

Over time, what value are lichens in the alpine region? _____.

6. A breakwater is a barrier that prevents strong waves and weather from harming boats and other buildings on the waterfront. Burlington’s original breakwater was built in 1836 and was 1000 feet long. Over the years it has been improved and now the breakwater is 4,175 feet long. How many feet longer is it now than when it was first built? Can you think of one type of boat that is no longer seen on Lake Champlain?

The breakwater is now _____ feet longer. Historic Boat _____

7. In 1849 the railroad crossed the Green Mountains and linked Burlington to other major cities. This made it easier to ship large bulk products year-round. Name 4 products that were shipped using the railroad.

1. _____

3. _____

2. _____

4. _____

8. How old was the Native American clay pot found by divers off Thompson’s Point, VT? What does its location tell you about this time in Lake history?

The clay pot was _____ years old. Its location tells me _____.

9. How many shipwrecks are in Lake Champlain? Can you name one of them?

of shipwrecks in Lake Champlain _____ Name of one shipwreck _____

Into the Lake

10. Samuel de Champlain was the first European settler to spot Champ. What year did he see him, and how long ago was that?

Champ was first spotted by Samuel de Champlain in the year _____.

That was _____ years ago.

Who was the woman who photographed Champ in 1977? _____.

Do you believe in Champ? Why or why not?

I believe in Champ because _____.

I don’t believe in Champ because _____.



ECHO History Trek
Grades 4-6
ANSWERS

1. Sea star, periwinkle snail, horseshoe crab, hermit crab, sea anemone, sea urchin. They are all saltwater animals and have some of the same habitat requirements such as salt water, tide fluctuations, rocky protection and ample food supply and therefore can live together.
2. The Adirondacks are anorthosite. The Green Mountains are schist. The modern Adirondacks are older.
3. Iapetus Ocean.
4. Rivers change over time. Erosion is the process in which soil or earth is worn away by water or wind. Erosion can happen in the springtime after a long winter of heavy ice and snow begins to melt. Erosion also happens after logging or deforestation occurs when there are less root structures holding the soil in place during rainstorms.
5. Lichens grow 1-2 millimeters per year. Lichens create tiny pockets of soil so other plants can move in and grow.
6. The breakwater is now 3,175 feet longer. Sailing canal boats are no longer seen on the Lake.
7. Timber, marble, granite, and iron.
8. The clay pot is 1,600- 2,200 years old. This tells us that the material for making pots, clay, was available in the region and that the lake or river shorelines had clay deposits in nearby Native American settlements.
9. There are over 300 shipwrecks in Lake Champlain. The General Butler is one of them.
10. Champ was first spotted in 1609. That was 396 years ago. Sandra Mansi first photographed Champ in 1977.

