



ECHO History Trek Grades 6-8



**Unless otherwise noted, please write answers in complete sentences. **

Before the Basin

1. Go the Champlain Sea Tide Pool. Can you find these types of organisms and this tide pool environment in Lake Champlain today? Why are they here at ECHO?

Yes, this tide pool environment is present here today.

No, you cannot find these organisms and this environment here today.

These animals are here at ECHO because _____.

2. Through geologic time, the Lake Champlain Basin region has formed three different bodies of water, two that were fresh and one that was saltwater. Match the name of the bodies of water with the years they were in existence and label them as salt or freshwater.

Lake Vermont	13,000- 10,500 years ago	_____
Champlain Sea	10,500- present day	_____
Lake Champlain	15,000- 13,000 years ago	_____

3. Write a brief paragraph to explain how the region now known as the Lake Champlain Basin came to be saltwater at one point in time. What happened geologically to cause this area to become a sea?

Awesome Forces

4. Watch the movie Awesome Forces. Where is the world’s oldest coral reef? Have you ever been there?

The world’s oldest coral reef is located _____.

Yes, I have been to this area

No, I have not been to this area

Land of Opportunity

5. How many years has it been since the first time that a town in the Lake Champlain Basin hosted the Olympics? Where did they take place? What is your favorite Winter Olympic sport that is still practiced in the Lake Champlain Basin?

The Olympics were hosted _____ years ago in _____.

My favorite Winter Olympic sport that is still practiced in this area is _____.

6. What is potash and what did Colonial-era settlers use it for? How did it affect people living in Europe?

Potash is _____ and was used for _____.

It affected the European life because _____.

7. In 1823, the Champlain Canal opened, in 1825 the Erie Canal opened, and in 1843 the Champlain Canal opened. What did the opening of these three canals create and how did that change industry in the Lake Champlain Basin and in New England?

The completion of these 3 canals created the _____.

These canals helped change industry in the Lake Champlain Basin

by _____.

8. In June of 1809, Lake Champlain was home to the second what?

Into the Lake

9. In 1873 a man offered a reward to whoever brought him Champ's skin. Who was this man, and how much was his reward?

10. Watch the movie about the General Butler Shipwreck. How did the General Butler sink? What happened to the passengers on board?

11. What were some artifacts that were recovered from the General Butler? Name 5 of them and what they were used for.

1. _____ was used for _____.

2. _____ was used for _____.

3. _____ was used for _____.

4. _____ was used for _____.

5. _____ was used for _____.

12. Sketch a picture of one artifact that was recovered from the General Butler.



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ANSWERS

1. No, you cannot find these organisms and this environment here today. These animals are here at ECHO because they represent the types of animals that lived in the Champlain Sea about 13,000 years ago when the water was salt water.

2. Lake Vermont was a fresh water body and existed from 15,000 – 13,000 years ago. The Champlain Sea was a saltwater body and existed from 13,000 – 10,500 years ago. Lake Champlain is a freshwater body and has been existence from 10,500 years ago to the present day.

3. Glaciers over two miles thick pushed the land down with its immense weight until the ground was below sea level. When the glaciers receded – the saltwater rushed into the area by way of the St. Lawrence Seaway creating a saltwater body called the Champlain Sea.

4. The world's oldest coral reef is the Chazy Reef in Isle La Motte.

5. The Olympics were first hosted in 1932, 73 years ago in Lake Placid, NY. Each student will have a different favorite Winter Olympic sport.

6. Potash is the ash of burned hardwoods and was used for the manufacturing of soap, glass, and gunpowder. It affected European life because it was a valuable export – there were very few hardwood forests remaining in Europe.

7. The opening of the Champlain Canal, the Erie Canal, and the Chambly Canal created the Commerce Triangle. These canals helped change industry in the Lake Champlain Basin by lowering the cost of shipping goods to major populated areas.

8. In June of 1809, Lake Champlain became home to *The Vermont* – a commercially operated steamboat.

9. In 1873, P.T. Barnum offered a \$50,000 reward for Champ's skin.

10. The General Butler sank from a heavy storm. The waves from the storm threw the ship into the breakwater repeatedly and caused serious damage until it sank. The passengers on board jumped ship and climbed out onto the breakwater – they were rescued by a man who rowed out from the shore in a small boat.

11. Five items that were found with the General Butler on the bottom of Lake Champlain: a pie plate, a porcelain door knob, a leather pouch, several jugs, and some medicine bottles. A pie plate was presumably used to serve food; the leather pouch could have been used hold money or valuables, the jugs could have been used to transport water or wine, and the door knob and medicine bottles speak for themselves.



12. Each student's picture will be unique.