

Coming of the Ice!



Introduction

Throughout history the Earth has experienced periods when more of its water is frozen as ice. Because ice reflects away more of the sun's radiation, the Earth's temperature drops during these periods. In this activity, you will discover other effects of an ice age.

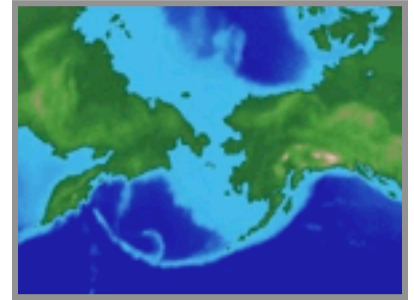


Collecting Data

Locate this movie:

Program: Cryosphere

Library: Sphere Topics



Question: How did the Ice Ages affect Sea level.

Locate the area between Siberia in Eastern Russia and Alaska on a map or globe. This is the area shown in this movie. Play the movie and notice what has happened there.



Recording Data

This is the last frame of the movie. It shows how the area looks today. On this drawing outline the coastline 21,500 years ago. Also shade in the areas that were covered by ice.



Analyzing Data

1. Over the last 20,000 years, has the amount of ice covering the land increased or decreased?
2. Over this same period, has the level of the ocean increased or decreased?
3. In your own words, explain the relationship between these two facts. (Use the caption for help, but state the relationship in your own words.)
4. In your own words, hypothesize how the change in sea level could have affected human migration. Then explain how you would investigate your hypothesis.