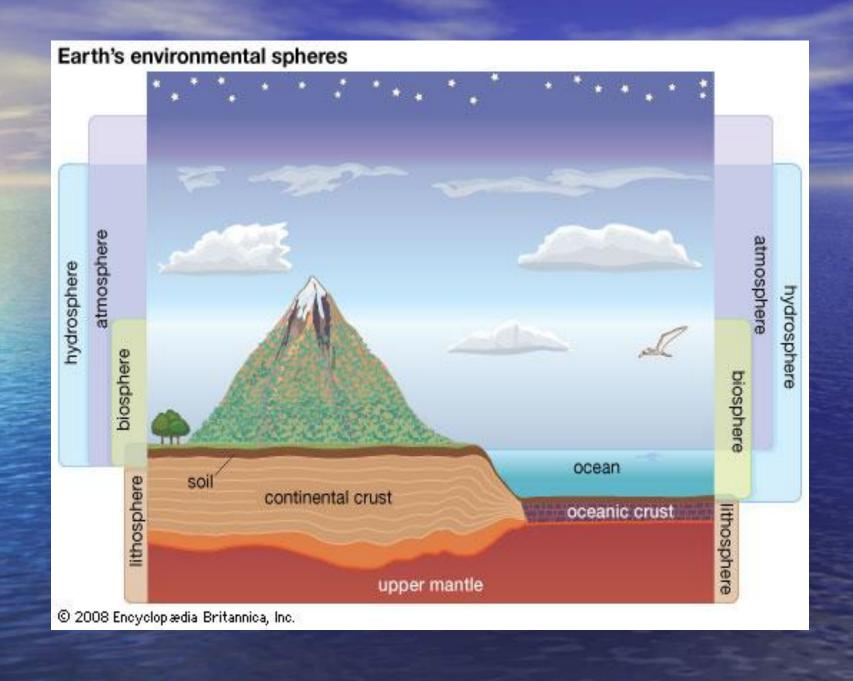
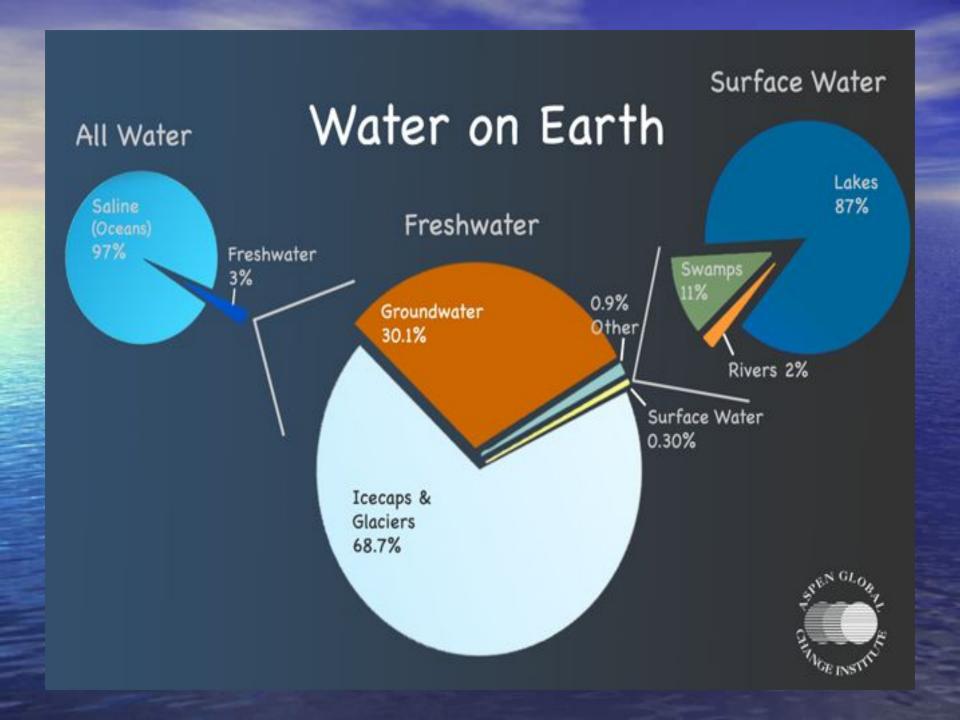


The hydrosphere (from Greek ὕδωρ - hudōr, "water" and σφαῖρα sphaira, "sphere") in physical geography describes the combined mass of water found on, under, and over the surface of a planet



Approximately 75% of the Earth's SUFFICE Approximately 75% of the Earth's surface an area of some 361 million square kilometers (139.5 million square miles), is covered by **Approximately 75% of the Earth's surface,** an area of some 361 million square kilometers (139.5 million square miles), is covered by ocean. The average salinity Approximately 75% of the Earth's surface, an area of some 361 million square by ocean. The average salinity of the Earth's oceans









Being situated in South America, Amazon RiverBeing situated in South America, Amazon River is the largest river in the world with the combination of ten largest rivers. The world's famous river is a giant system of rivers and forests, extending to half of Brazil and neighboring countries. Amazon River featuring the largest drainage basin in the world, about 7,050,000 square kilometres (2,720,000 sq mi), accounts for about one-fifth of the world's total river flow.







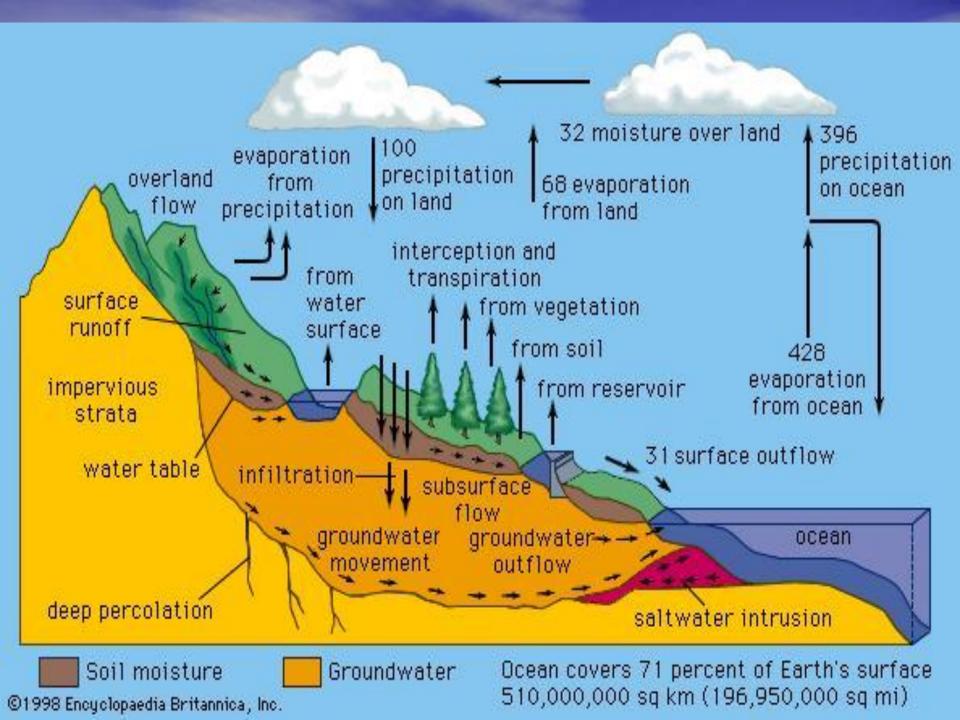
Ha территории Орегона и Северной Калифорнии раскинулось крупное вулканическое плато, уникальные природные особенности которого позволили создать здесь два национальных парка и один монумент - Crater Lake National Park, Lava Beds National Monument и Lassen Volcanic National Park. Каждый по своему необычен



A small swamp is hidden behind the impassible thickets of the tropic jungles. By sight it is an ordinary water basin overgrown with water lilies. But look at it more attentively... This small world is just humming with life! Frogs, dragonflies and even a furious viper closely coexist near each other.

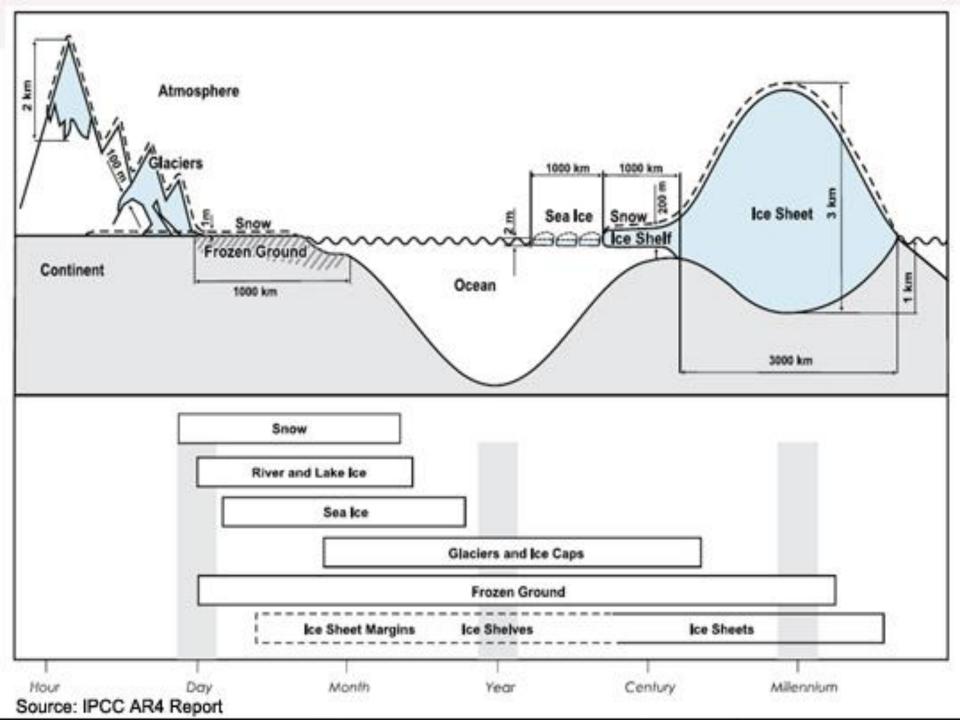


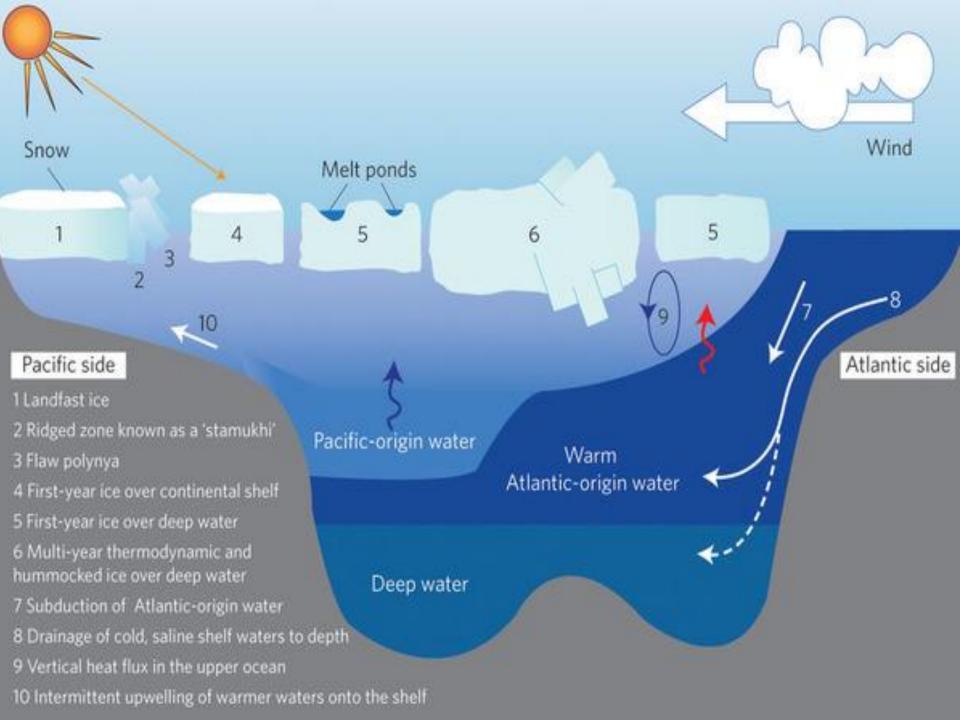




The Cryosphere:

Portions of the Earth's surface where water is in a solid form, usually as snow or ice. This includes sea ice, freshwater ice, snow, glaciers, and frozen ground (or permafrost).



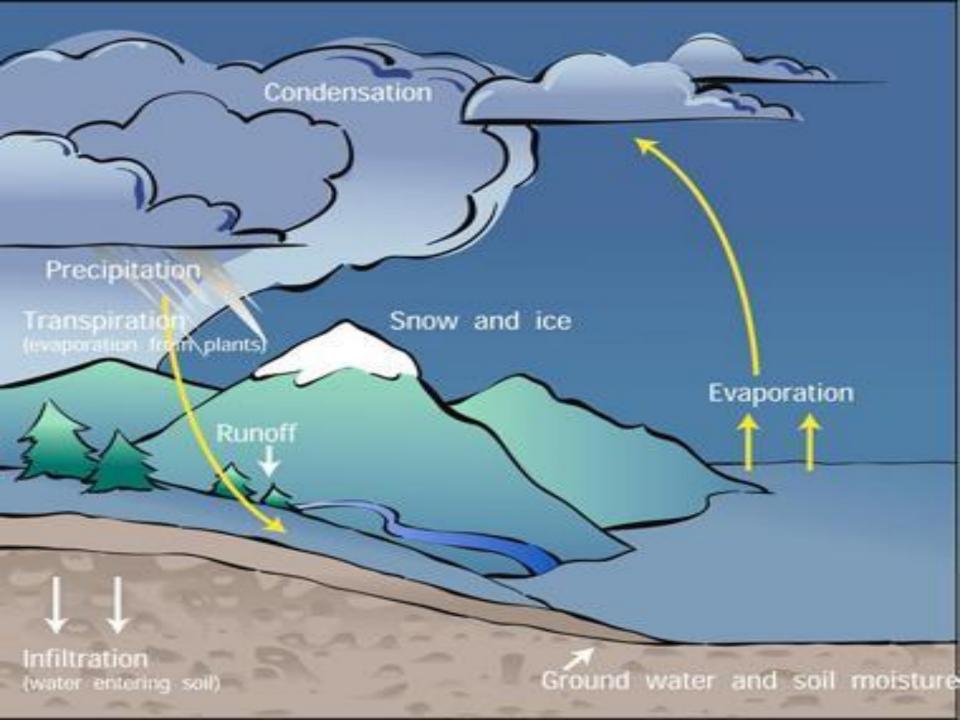


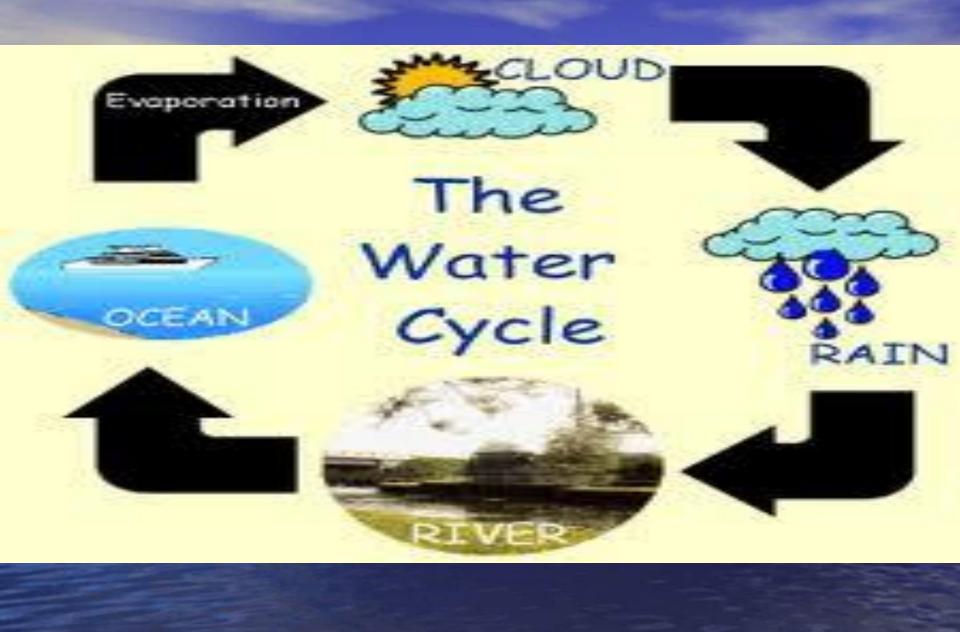


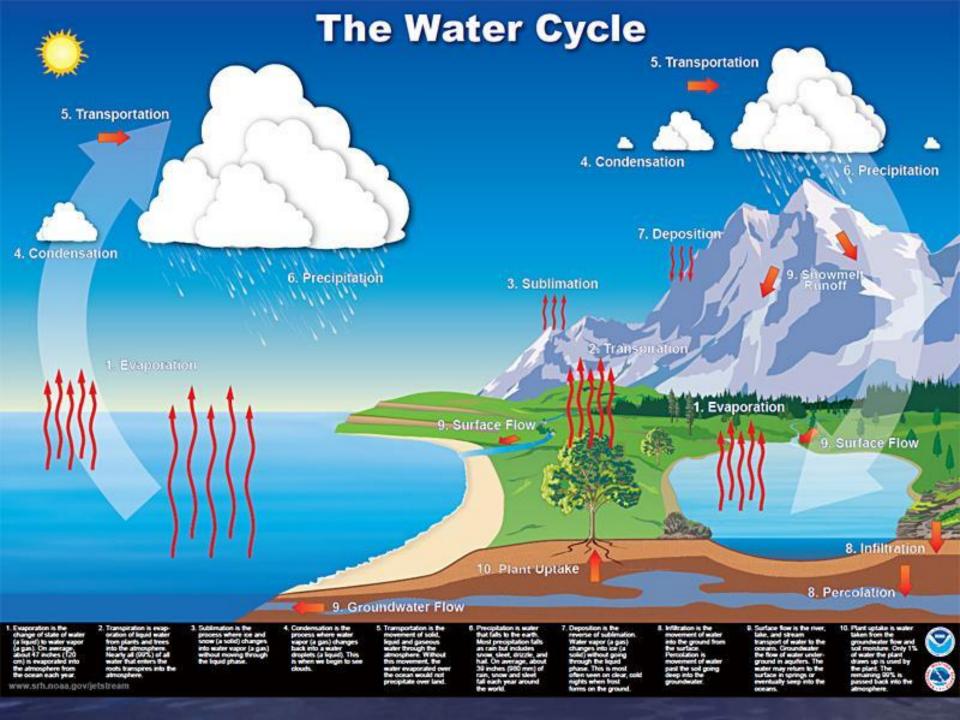
Earth's Water Cycle

WaterWater is always on the move. RainWater is always on the move. Rain falling where you live may have been water in the ocean just days before. And the water you see in a river or stream may have been snow on a high mountaintop.

Water can be in the atmosphere, on the land, in the ocean, and even underground. It is recycled over and over through the water cycle. In the cycle, water changes state between liquid, solid (ice), and gas (water vapor).







Impact of human activities on the hydrosphere

The activities of modern society are having a severe impact on the hydrologic cycle. The dynamic steady state is being disturbed by the discharge of toxic chemicals, radioactive substances, and other industrial wastes and by the seepage of mineral fertilizers, herbicides, and pesticides into surface and subsurface aquatic systems. Inadvertent and deliberate discharge of petroleum, improper sewage disposal, and thermal pollution also are seriously affecting the quality of the hydrosphere.

The present discussion focuses on three major problems—eutrophication, acid rain, and the buildup of the so-called greenhouse gases. Each exemplifies human interference in the hydrologic cycle and its far-reaching effects.



Satellite observations of lake temperatures at many lakes around the world show that lakes are warming worldwide. Because lakes play such an important role in society, as a source of food, water, and recreation, these changes can have a significant impact on many aspects of our lives. Watch the NBC Learn video - Changing Planet: Warming Lakes to find out more. This is an image of the eastern shore of Lake Tanganyika, Tanzania.



As temperatures rise and soil moisture decreases, plants are stressed, which can lead to <u>crop withering</u>As temperatures rise and soil moisture decreases, plants are stressed, which can lead to crop withering. <u>Droughts</u>As temperatures rise and soil moisture decreases, plants are stressed, which can lead to crop withering. Droughts accompanied by increased temperatures can lead to



Coral animals build reefs in warm, tropical seawater. However, seawater can be too warm for their liking. If waters get too warm, coral animals lose the algae that live within their little bodies, a process called coral bleaching. Without the algae, corals have less nutrition. Unless cooler temperatures return, allowing algae to return, the coral dies.

The Importance of Water "Water can be without the company of we as humans can only be without water for a few days."

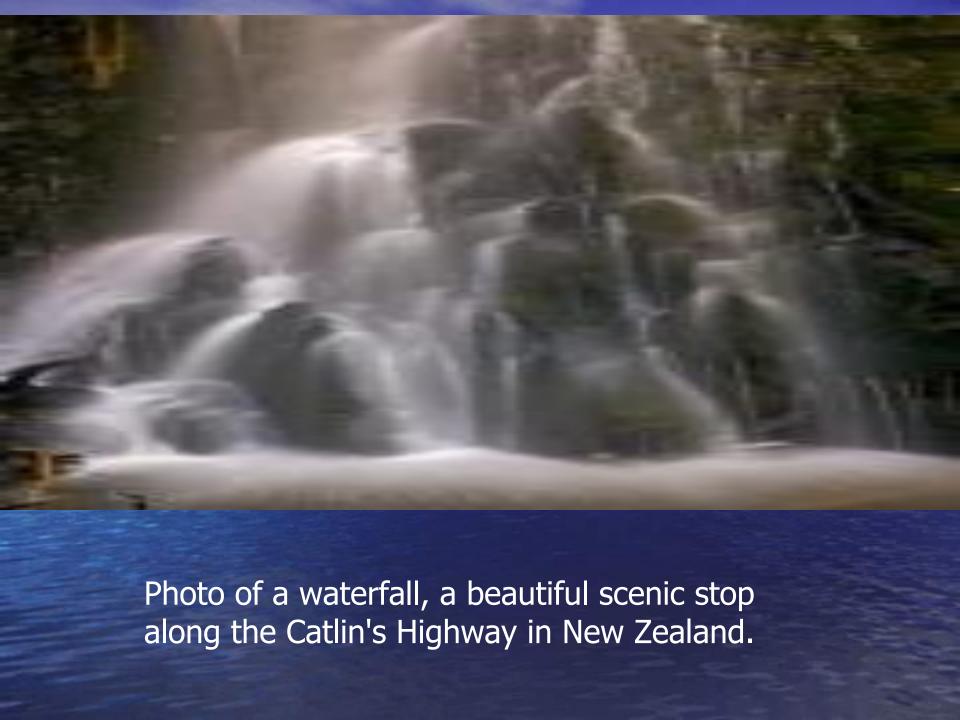
The human body consists of about 75% water and the brain about 85%. Each cell in the body depends upon water in order to function. Numerous disorders are caused by insufficient and unhealthy water. In order to maintain the various bodily functions, we need to drink up to 2-3 litres of water each day. We need our daily supply of water since we cannot maintain reserves of it in our body as we can with food. We would die within three to seven days without water.











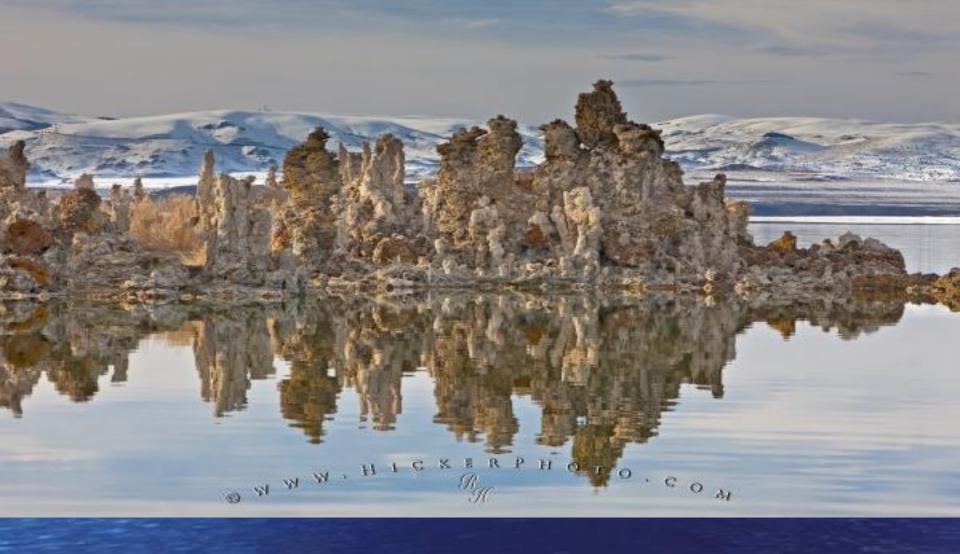


Photo of the snow covered Sierra Nevada mountains and a series of rock formations on Mono Lake.



Photo of two large brown bears fishing at Brooks Falls in Katmai National Park, Alaska, USA.



Photo of red fall leaves, green moss and a cascading flowing water stream on the Olympic Peninsula.



Aerial photo of the village of Vernazza, one of five in the Cinque Terre in Liguria, Italy in Europe.



