

Discussion for Water, Water Everywhere

You may find your experiment results were a little different from these, but in general:

The samples probably took about the same amount of time to evaporate. You could expect to find some salt and mud in the Great Bay sample, some mud or fine sediment in the pond sample, and little salt or sediment in your drinking water. Quiet bodies of water, such as Great Bay or a pond, collect finer sediments than a fast-flowing stream or the ocean.

Animals that live in a pond cannot cope with the salt content of the ocean or estuary, and ocean animals cannot live in fresh water.

But the animals of the estuary have to adapt to water that changes from almost completely fresh, as in the spring when snow melt runs into the Bay, to very salty as in the middle of summer when the hot sun evaporates the tidal waters.

A few fish, such as salmon and alewives, can change their metabolism to go from salt water to fresh, but most fish are adapted to only one kind of water. Many of the animals of the estuary are simpler animals without backbones, such as crabs, worms, and shellfish that are able to withstand big changes in their environment.



Answers

Answers to Great Bay Map (from page 3):

1. Little Bay is north of Great Bay National Estuarine Research Reserve.
2. The Lamprey River is west of Adams Point.
3. The Atlantic Ocean is east of Great Bay.
4. From Adams Point to the shore directly south is almost 2.5 miles.
5. Sandy Point is east of the Squamscott River mouth.
6. Adams Point is about 10 miles up river from Fort Constitution.

Answers to Who Doesn't Belong (from page 6):

Stork, Coral, and Great White Shark

Answer to Rebus (from page 6):

Indians once camped on the banks of Great Bay. They saw seals. They ate fish and shellfish. Wouldn't you like to, too?

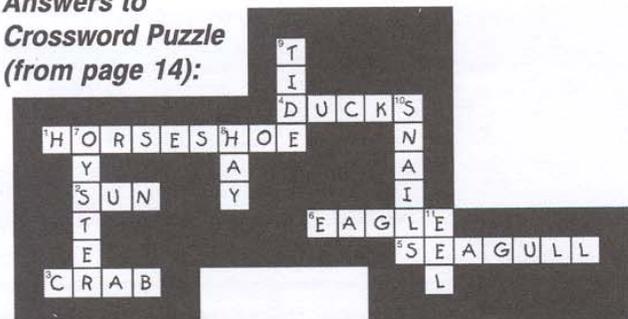
Answers to Word Scramble (from page 8-9):

chipmunk, woodchuck, muskrat, black duck, clam worm, herring gull, pipe fish, Canada goose, harbor seal, barnacle.

Answers to the Tide questions (from page 12):

1. 12:29 p.m.;
2. 7.7 ft.;
3. no;
4. 12:42 a.m.;
5. 7:07 p.m.

Answers to Crossword Puzzle (from page 14):



Answer to the Secret Message (from page 15):

The sun, the rivers, and the tides.