CANADA'S OCEAN BASINS WORD SEARCH

Did you know that Canada has the longest coastline of any country in the world? It's over 200,000 kilometers long! To walk the whole thing would take about 30 years.

Can you find these words about Canada's three ocean basins, and the waterways that flow to them?





sea ice saltwater icebergs

arctic char coast

walrus

PACIFIC OCEAN

kelp forest salmon

seal orca

herring

hydrothermal vent

ATLANTIC OCEAN

lobster puffin

right whale

crab codfish

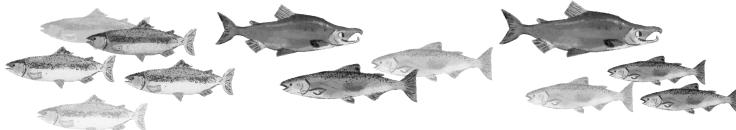
oysters

FRESH WATER

lakes rivers wetlands

american eel

estuary



Find more more about Canada's three unique ocean basins here:





OCEAN CONNECTION CROSSWORD

Here in Ottawa, we are connected to our one global ocean and our rivers, lakes and estuaries in many different ways. Can you solve this puzzle to find out how?

ACROSS										1	
3. People live in communities, like towns, villages and cities. Animals in the ocean have special places they live, just like us, which			_								
provide them with food and safety. These places are called	2			3		4					
5. People use, from canoes and kayaks to shipping vessels, to access the ocean and waterways for transporting a lot of our stuff across the globe, for fishing, for exercise, and more.		7	6								
7. Since before we had farming, people have been, for food, recreation, and cultural reasons.	8										
8. We often think it's the atmosphere that is responsible for determining the Earth's, but actually the biggest impact comes from the ocean.											
9. Plants in the ocean are responsible for creating half of all of the on the planet, which animals need to breathe.											
DOWN											
Human settlements are built on the shores of waterwand the ocean, for food, transportation and more. Water has shaped who we are and our Output Description:	vays	4. The oce largest and to 1 – the oc	anima microl	al that bes, th	t has e	ever li allest	ved o	n Ear orga	th,	S	
2. Fish is one of the most important sources of for people across the planet.		6 is	s a wa	y we	conne	ct wit	th wa	ter to	get e	xercis	e,

Understanding our connection to the ocean – how we impact the ocean and how the ocean impacts us – is called ocean literacy. To learn more about why our ocean connection is so important, even living in Ottawa, see:



ANSWERS: ACROSS: 3. habitats, 5. boats, 7. fishing, 8. climate, 9. oxygen. DOWN: 1. culture, 2. food, 4. biodiversity, 6. swimming.

splash around, and have fun with our friends and family.



OCEAN CREATURE CLUES

Using the clues below, can you guess the names of these animals that live in Canadian ocean waters?



I live on the seabed across the world, from the poles to the equator, and from the shore to up to 6 km below the surface of the ocean. I'm a predator and I'm strong – I can pull open tightly closed clam and oyster shells to eat the meat inside.

I AM A:



I live in the cold Arctic ocean, and migrate to freshwater lakes to spawn (lay eggs). I'm

an important food source for the Inuit, and critical to the Arctic food web: I am the connection between the shrimp, insect larvae, snails, clams and small fish that I eat, and the sea otters, polar bears, ferox trout, other fish, and humans that eat me.

I AM AN:



I'm a special kind of this marine animal that only exists at the bottom of the Pacific Ocean in a place called the Endeavour

Hydrothermal Vents, a marine protected area. I'm named for the eight-legged creatures that live on land because I look a lot like them.

I AM A:



For over 14 thousand years, each spring the Haíłzaqv (Heiltsuk) people

of coastal British Columbia have been harvesting my species' fish eggs. I live in the Pacific and Atlantic Oceans, and migrate in a large group (a school) to the coast to spawn, covering kelp leaves and rocky surfaces in millions of tiny eggs.

I AM A:



I live along the coasts of the Pacific Ocean, including in Canada. I'm furry, and I like to float on my back to sleep and relax, and to carry my babies on my tummy. I can eat sea urchins, even though they're covered in spines.

I AM A:



I live on the ocean floor in shallow coastal waters. I'm an important fisheries

resource on the east coast of Canada, where fishers set baited traps on the seafloor that I crawl into. I'm not picky about what I eat. My diet includes small plants, shrimp, marine worms, and more, but I also eat carrion (dead meat).

I AM A:



I have been living in the ocean since before the dinosaurs existed. I drift with currents and I don't have a brain. I'm a carnivore, mostly. I eat fish, shrimp, crabs and tiny plants. There are over 2,000 known species like me.

I AM A:



I've been nicknamed the "unicorn of the sea". I live in the Arctic, and in Inuktitut,

my name is "Qilalugaq gernertaq," which means "the one point to the sky." I spend winters under the sea ice, and rely on cracks in the ice to allow me to come up for air. My 'tusk' is actually a tooth that can grow up to three metres long!

I AM A:

ANSWERS (left to right, top to bottom): startish, ofter, arctic char, lobster, sea spider, jellytish, herring, narwhal.



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AMERICAN EEL MAZE



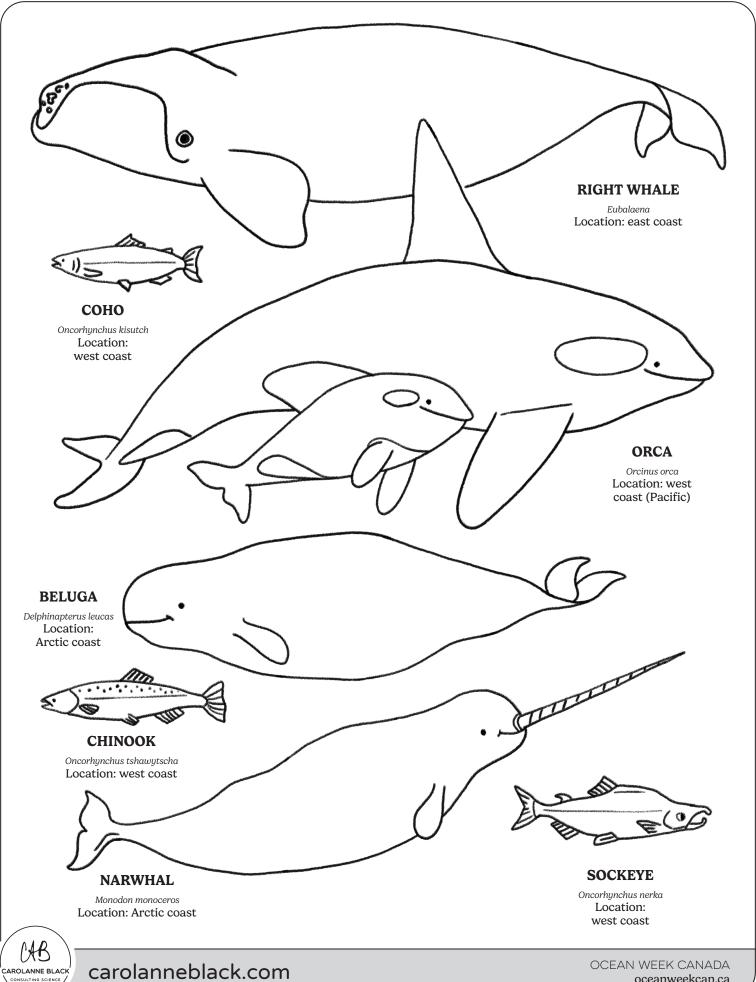


WRITING PROMPTS

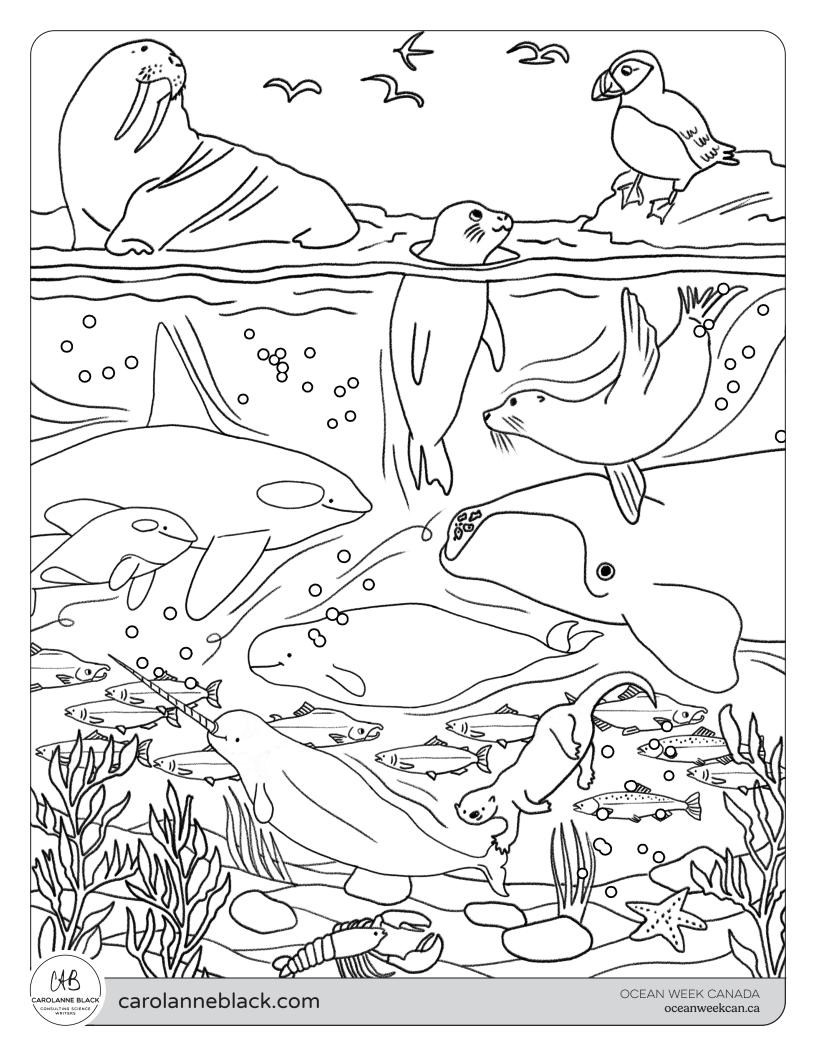
Use these prompts to think about your connection to the ocean, and to tell stories, in writing or out loud, about your local waterways and the ocean.

- Ottawa's water flowing along the Ottawa River, the Rideau River and Canal and the Gatineau River - eventually makes its way to the Atlantic Ocean. On its way, the water has many adventures and meets many animals.
 - Tell a story about the catfish, Canada geese or American eels it meets along the river.
 - Tell a story about the water meeting the salty ocean, and the belugas, sea cucumbers, dolphins and right whales that live there.
- 2. Tell the story of the first time a baby Atlantic puffin takes off from the rock where it was born and sails on its wings out over the ocean. What does it see? Who does it meet?
- 3. Was the ocean always here on Earth? Tell a story about the birth of the ocean and the first animals that came to live in it.
- 4. The deepest part of the ocean, the Mariana Trench, is deeper than Mount Everest is high (by over 2 kilometers!). Tell a story about a tiny seahorse that decides it wants to go from the coral reef where it lives to the deepest point of the ocean.





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A DAY AT THE BEACH

Create your own graphic novel about a visit to the Ottawa River or another coast. Fill in the speech bubbles and then draw what happens next.





