



SPECIES AT RISK IN BRITISH COLUMBIA

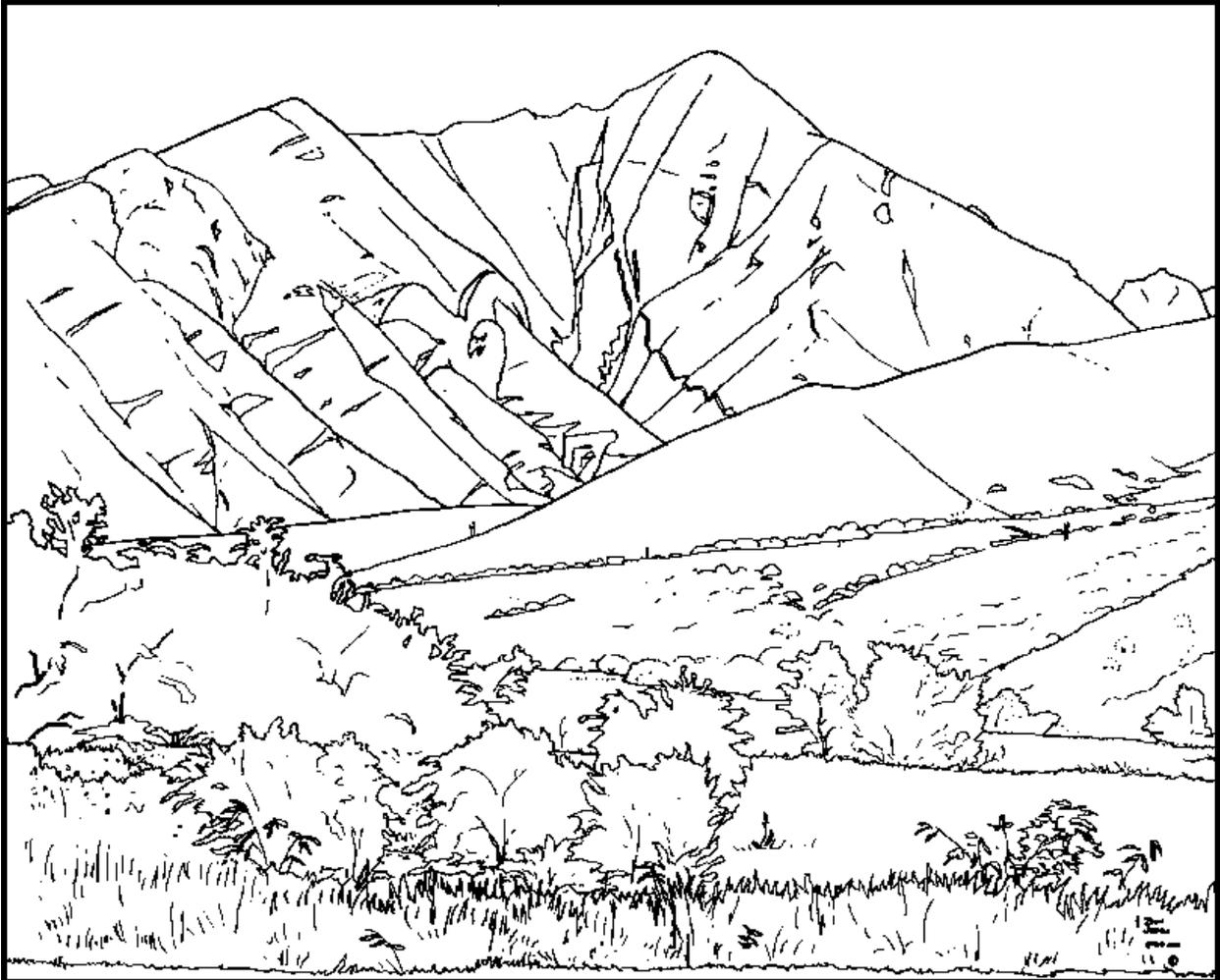
CHILDREN'S ACTIVITY BOOKLET



Land Trust Alliance
BRITISH COLUMBIA

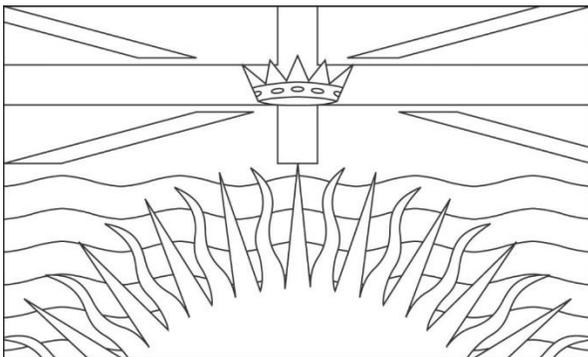
Welcome to our home, British Columbia...

British Columbia is home to many different species of plants and animals. The province also has different types of geography, such as mountains, forests, deserts, rivers, lakes, islands, etc.

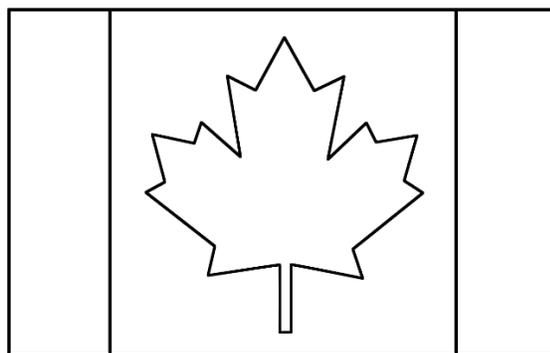


Source: <http://azcoloring.com/coloring-page/298377?album=coloring-pages-of-mountains>

British Columbia



Canada



There are different types of species in British Columbia (can you match the correct one?)...



A. _____

1. Amphibians



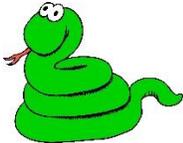
B. _____

2. Mammals



C. _____

3. Insects



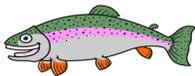
D. _____

4. Reptiles



E. _____

5. Fish



F. _____

6. Plant



G. _____

7. Birds

(Answers in order: A-2, B-7, C-1, D-4, E-3, F-5, G-6)

We share our home with many plants and animals. Sometimes these plants and animals need our help to save their habitat so that they can survive. Those that need our help are called **“Species-at-Risk”**.

Species-at-risk animals and plants have three categories:

1. Endangered

Endangered means that the animal or plant may disappear if we don't help it.

2. Threatened

Threatened means that the animal or plant may become endangered soon if we don't help it.

3. Special Concern

Special concern means that the plant or animal may be threatened or endangered if we are not careful

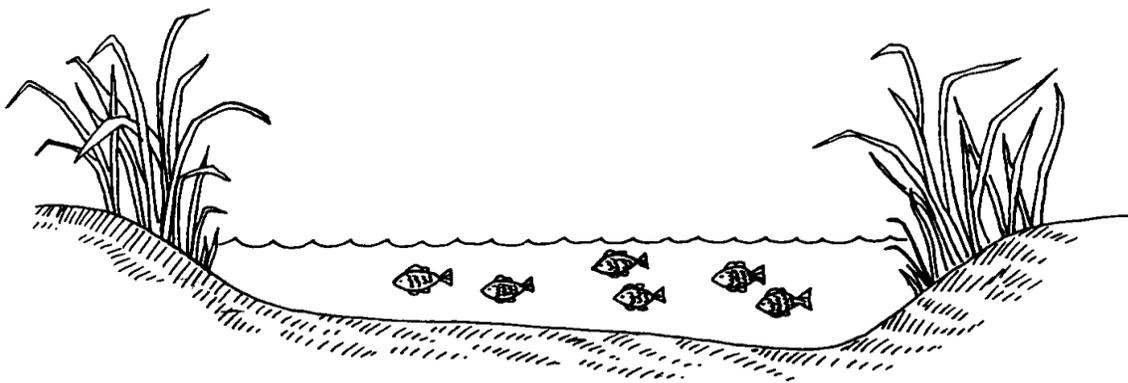
In this booklet, you will learn about each species' habitat and threats:

Habitat

Habitat is where the plant and animal lives

Threats

Threats are things that are bad for the plant or animal and are the reasons why the species is listed as Special Concern, Threatened, or Endangered.



The Grizzly Bear is a mammal that is of **special concern** in BC

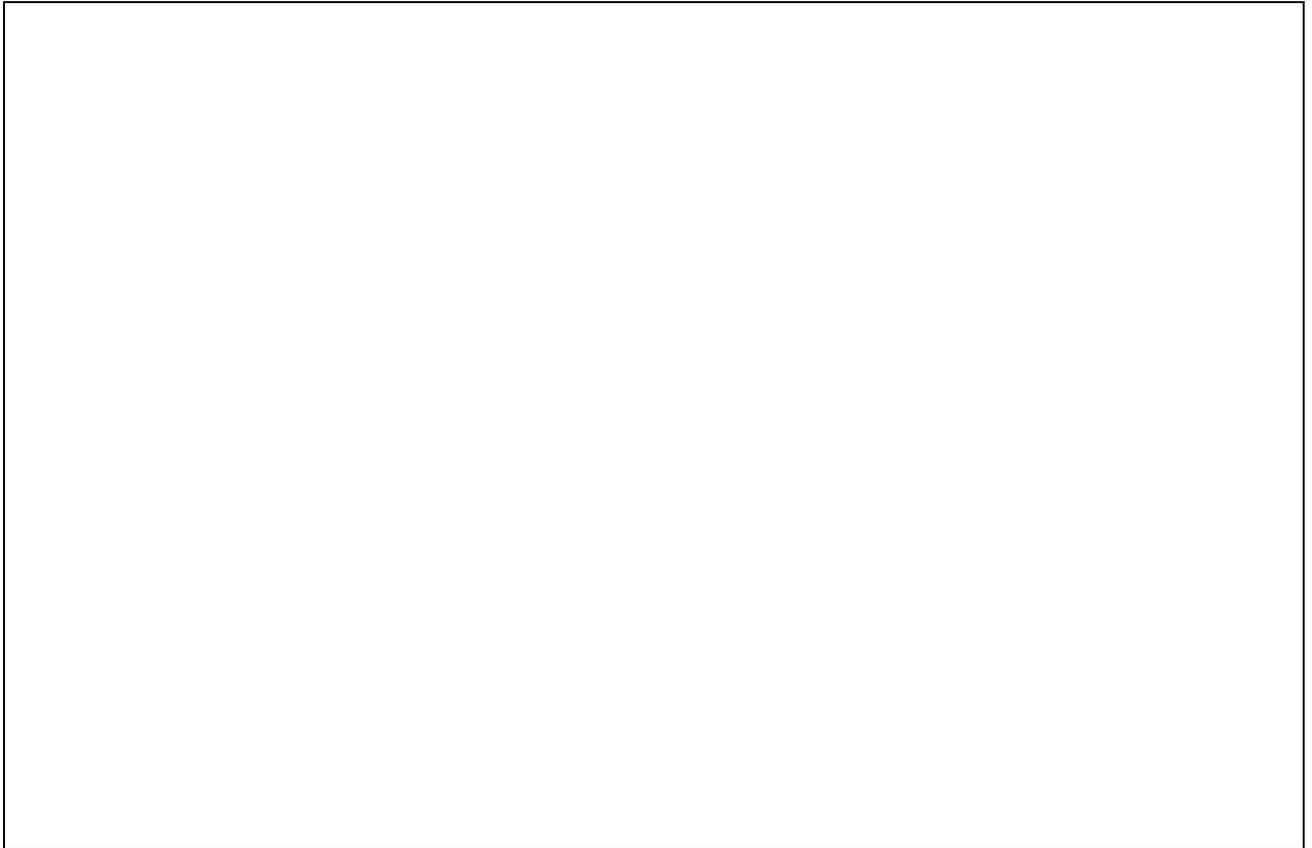


Source: <http://www.supercoloring.com/pages/grizzly-bear-mohter-and-cubs?version=print>

Habitat:

Grizzly Bears lives in the mountains and forests near the river, where they hunt for fish to eat.

Draw the Grizzly bear's habitat. Include mountains, forests, and a river where they hunt for fish.



Threats:

The greatest threat to the Grizzly Bear is the **loss of habitat** when people develop too many buildings and cut down trees in the bear's habitat. Another threat is **hunting** them for food and fur.

**Mountain Caribou is a mammal
that is endangered in BC**



Source: <http://www.supercoloring.com/coloring-pages/caribou-deer>

Habitat:

Mountain Caribou lives in rugged, mountainous terrains and old-growth forests. They feed on Lichen that grows on trees. This plant is their main food source. In addition, Mountain Caribou feed on other plants throughout the year.

In the box below, draw the habitat of a Mountain Caribou (mountains and forests)



Threat:

Logging of old-growth forests threatens the Mountain Caribou because these forests are not only their home, but also their source of food. Other threats include predation of other animals such as bears and wolves, and hunting.

Discussion Questions:

How can we protect the Mountain Caribous from going extinct?

The Orca is a mammal that is **endangered** in BC



Source: <http://www.supercoloring.com/pages/killer-whale-is-coming-out-of-water>

Habitat

Orcas can be found in all oceans from the Pacific to the Arctic Ocean. They live in water temperature from 0°C to warm tropical waters.

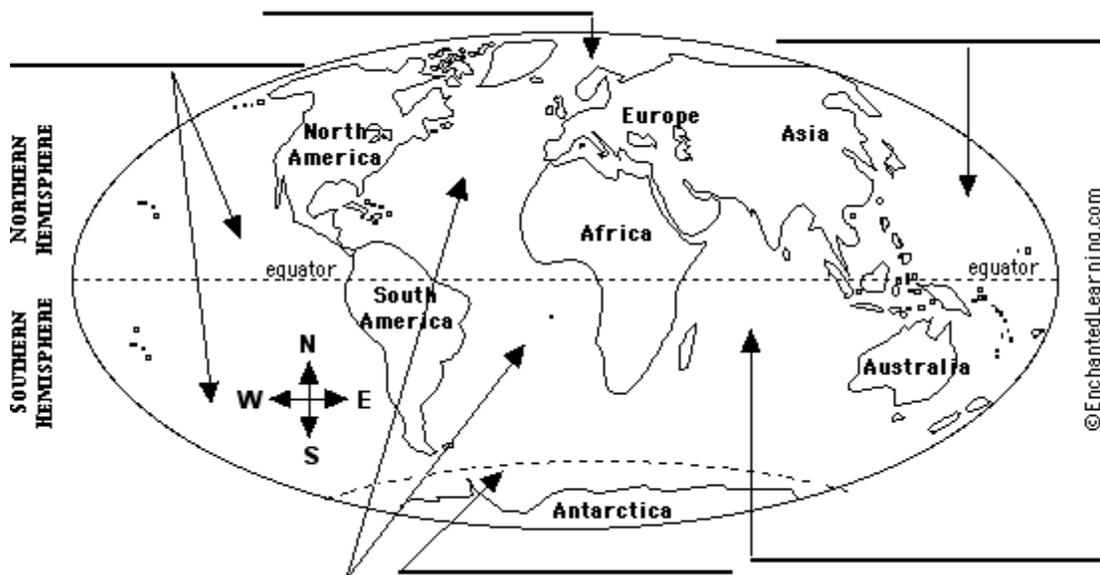
Threats

Orcas are threatened by human activities such as noise disturbance from boats, oil spills, water pollution, whaling (hunting whales), captivity in aquariums, and overfishing of their food supplies – which is other fishes. Another threat is their low population and reproduction level.

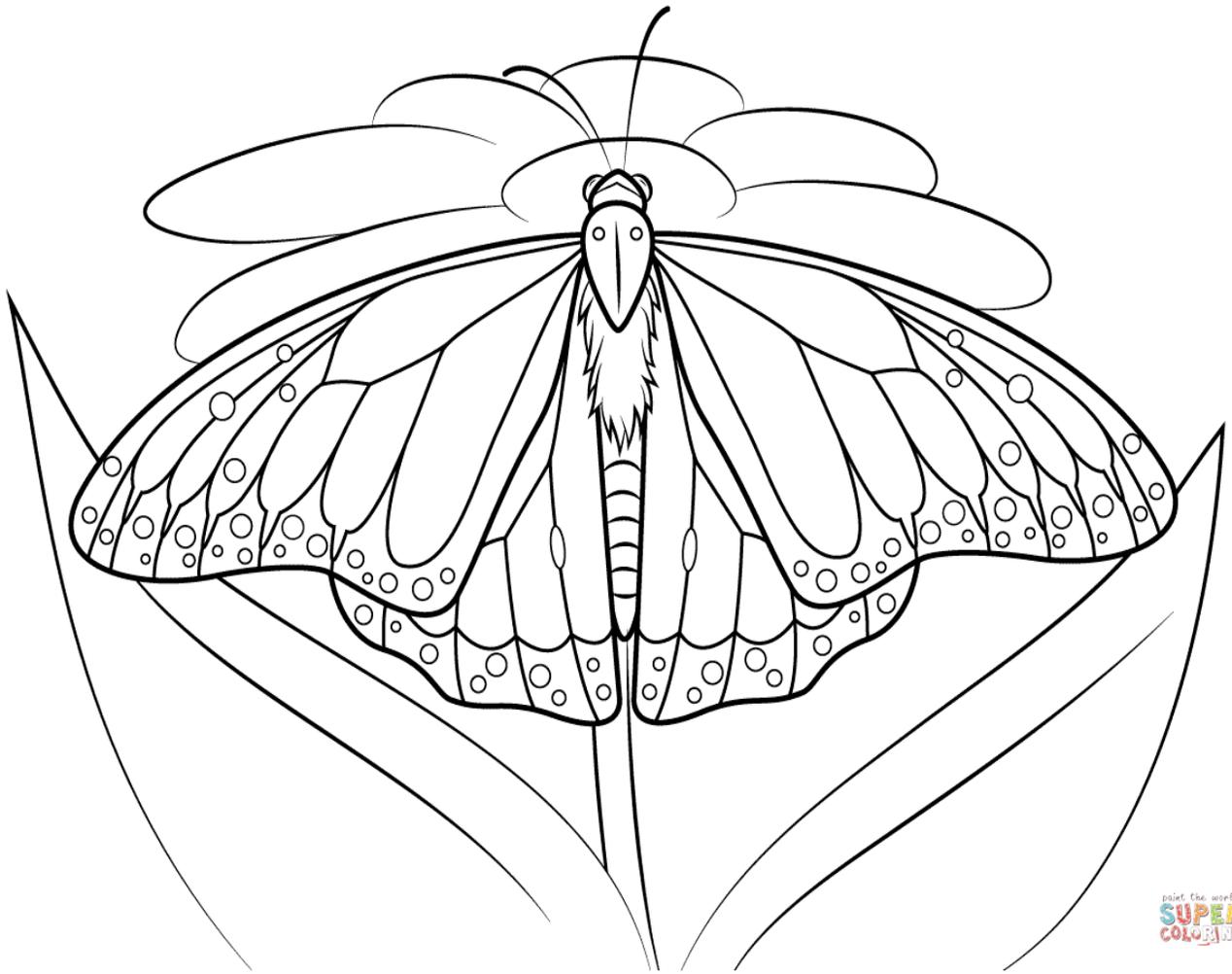
Activity #1 – True or False?

1. _____ Another name for orcas is Killer Whale
2. _____ It is illegal to hunt orcas in Canada
3. _____ Orcas eat other marine mammals and fishes such as seals, rays, and sharks
4. _____ A young calf is a name for baby orcas
5. _____ Killer whales are protective of their young calf

Activity #2 – Name the Oceans



The Monarch Butterfly is an insect that is of **special concern** in BC



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Source: <http://www.supercoloring.com/coloring-pages/monarch-butterfly-sits-on-a-daisy>

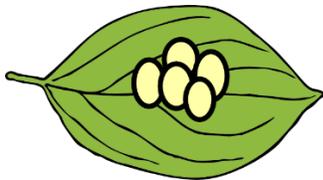
Habitat:

The Monarch Butterfly lives wherever wildflowers and milkweed grow. This includes farmlands, along roadsides, open fields, and other open spaces. They feed on milkweed and wildflowers, and use them to lay their eggs.

Threats:

The Monarch Butterfly's habitat is threatened by loss of habitat by human disturbance, logging, and use of herbicides. Predation during their migration to the south during the winter months is also a threat.

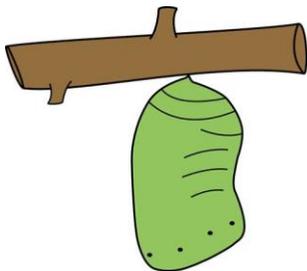
Activity – Match the Growth Cycle



_____ 1. Caterpillar



_____ 2. Butterfly



_____ 3. Pupa



_____ 4. Eggs

The Burrowing Owl is a bird that is **endangered** in BC



Source: <http://www.supercoloring.com/pages/barn-owl-2>

Habitat

The Burrowing Owl lives underground in burrows that they dig themselves or have been left behind from other burrowing animals. They prefer terrains that are flat and treeless such as edges of agricultural (farming) fields. They feed on small animals and large insects such as rats and crickets.

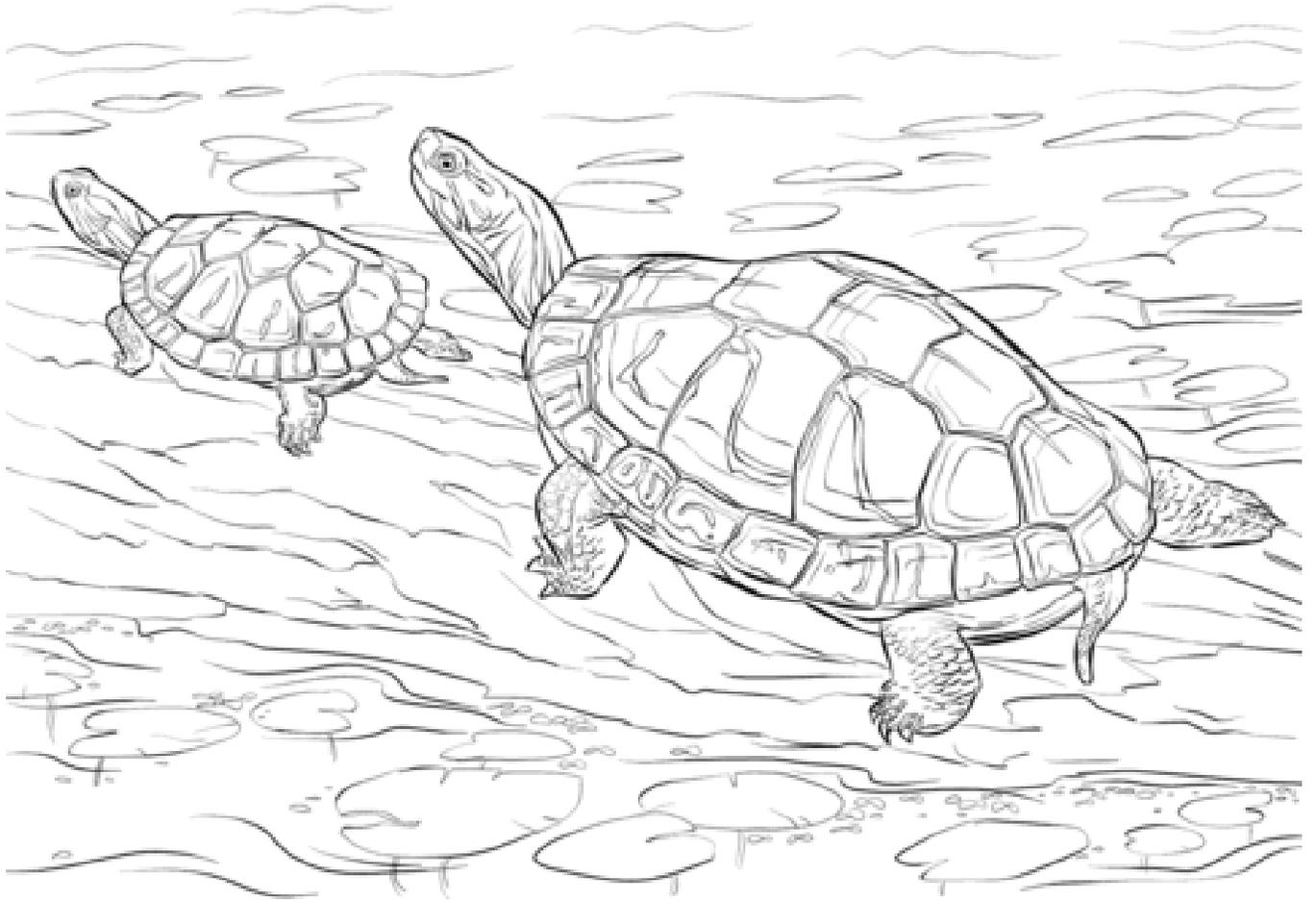
In the box below, draw a flat grassland with an underground hole for the Burrowing Owl to live in:



Threats

The Burrowing Owl's main threat is their grassland being turned into farm land. Another threat is the loss of insects and small mammals, which is the main food source for the burrowing owl.

The Painted Turtle is an amphibian that is **endangered** in BC



Source: <http://www.supercoloring.com/coloring-pages/two-painted-turtles>

Habitat

The Painted Turtle lives in shallow water such as ponds, lakes, marshes, and slow-moving rivers. Their habitat has water plants, beaches, and logs for basking. Basking means sun-bathing.

In the box below, draw a lake with a log so that a turtle will have a place for basking (sun bathing)

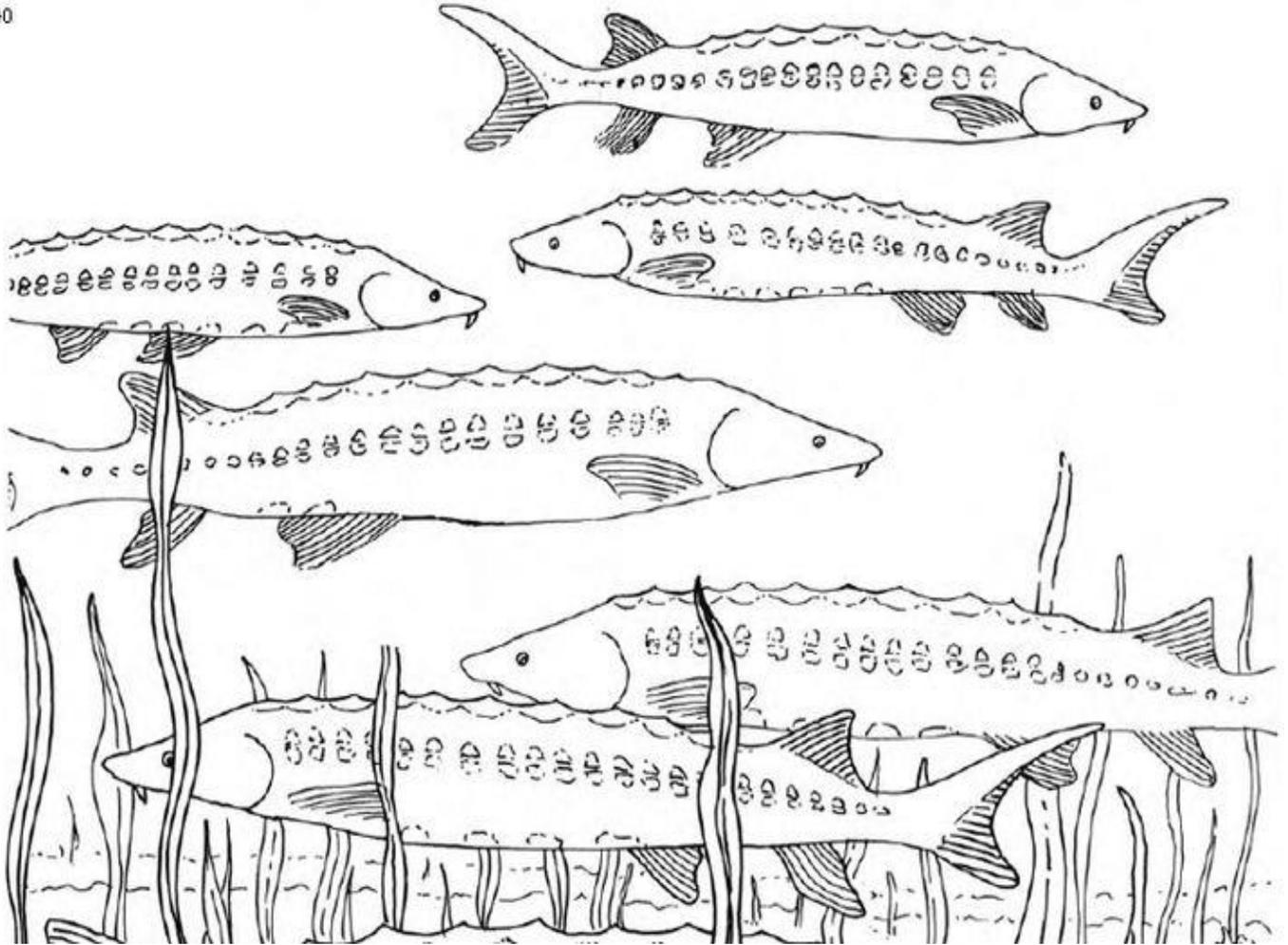


Threat

Habitat loss from pollution, removing water plants, and removing its water is a threat to the Painted Turtle. Other threats include being hunted by larger animals and humans, and diseases.

The White Sturgeon is a fish that is **endangered** in BC

4to40



Source: <https://s-media-cacheak0.pinimg.com/736x/d4/2b/7a/d42b7a488129f829fdbda5f80f7b7cf0.jpg>

Fun Facts:

- White Sturgeons can live up to 100 years and grow up to 20 ft. long!
- They can weigh up to 1,800 lbs.!
- Unlike other fish such as Salmon, White Sturgeons can spawn more than once

Habitat

As bottom feeders, White Sturgeons live on the bottom of slow-moving rivers and other bodies of water, feeding on clams, shellfish, and other fish that live near the river bed. During spawning season, they migrate to fast-moving water, like the bottom of rapids.

Draw a picture of a White Sturgeon habitat:



Threats

Overfishing, water pollution, lack of food, and predation are threats to the White Sturgeon. Building water dams is a threat because it changes the flow and quality of water. Sturgeon needs fast moving current to spawn.

The Alpine Lily is a plant that is of **special concern** in BC



Source: <http://www.supercoloring.com/pages/lily-15>

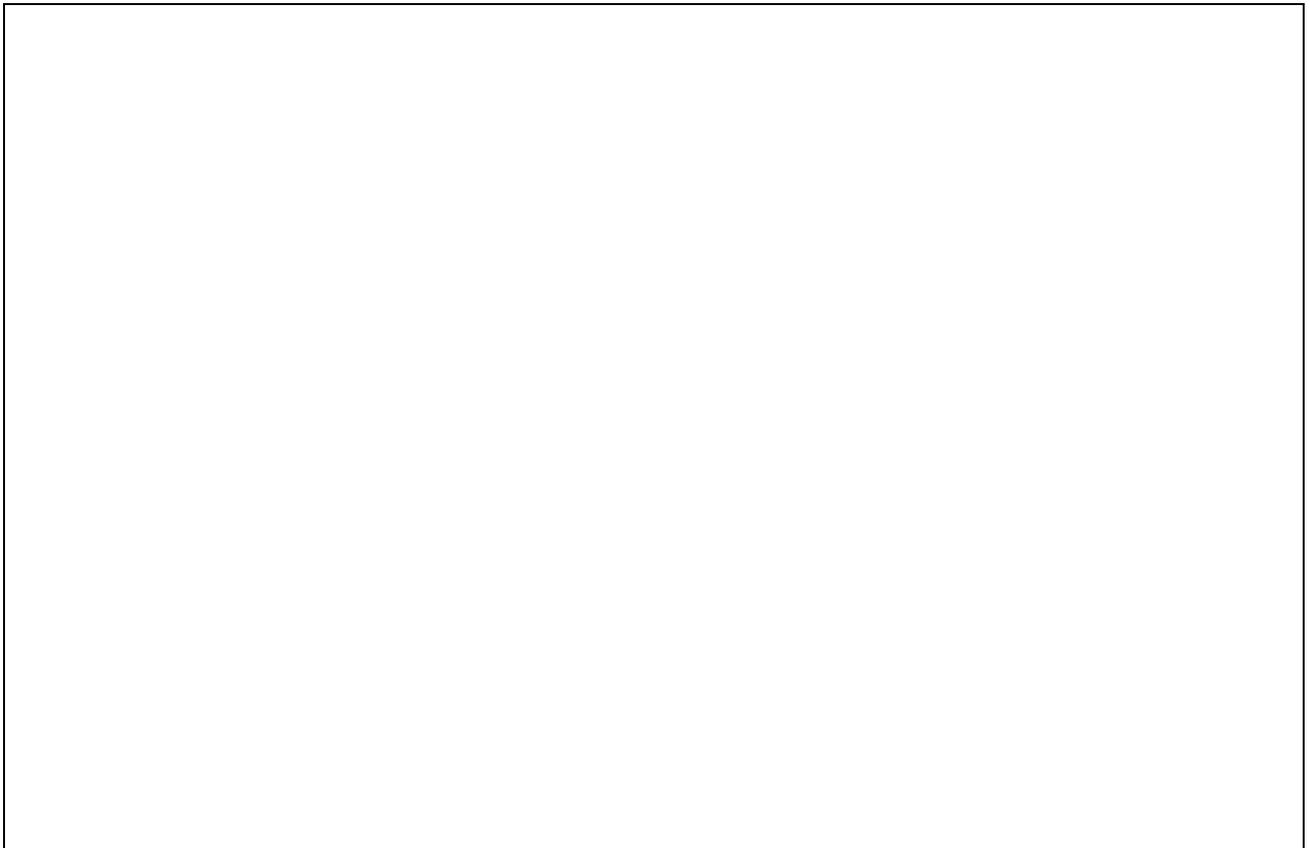
Habitat

The Alpine Lily grows on high altitude forests, meadows, and stream banks along the mountains of Western Canada. They blossom during the summer months from June to August.

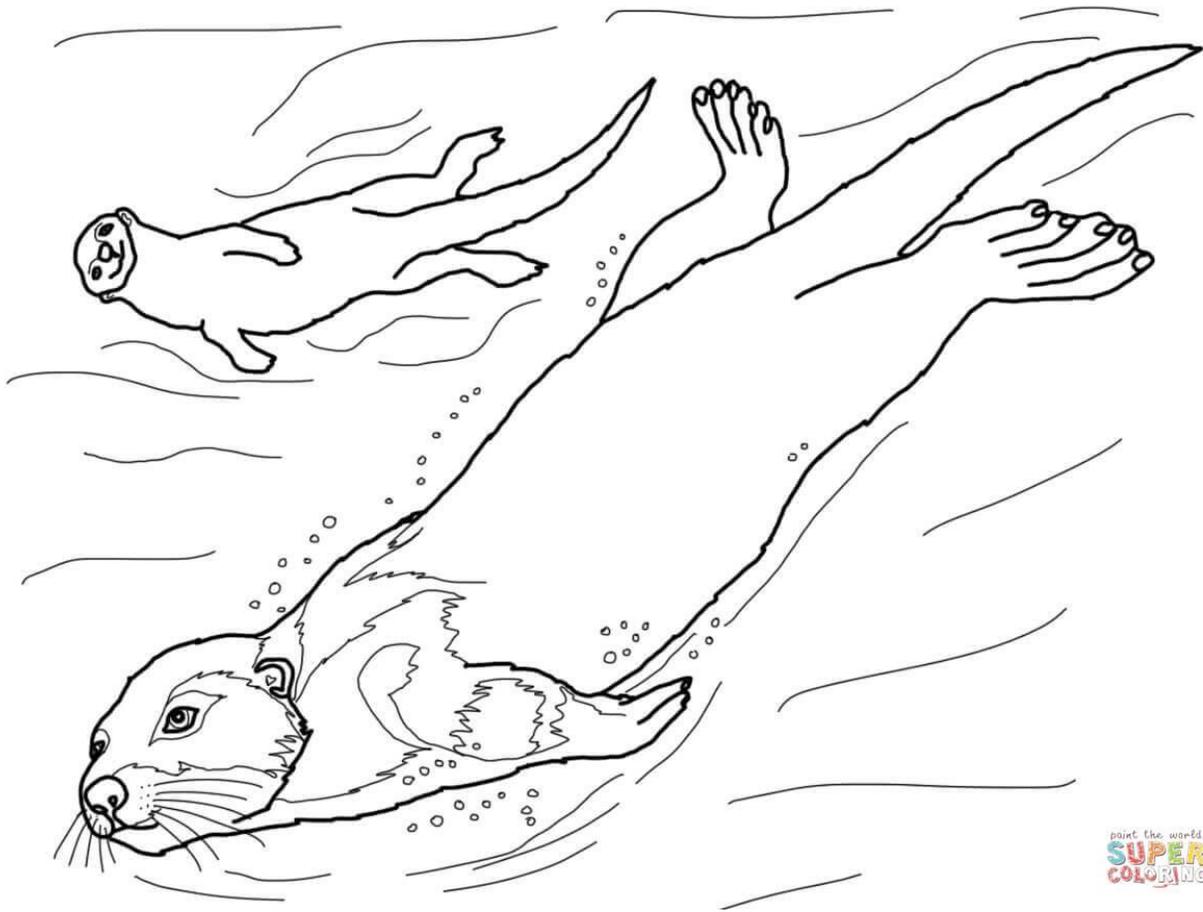
Threat

The threats to the Alpine Lily include loss of habitat from deforestation, and predation from herbivore (plant eating) animals.

Draw a picture of a herbivore, which are threats to the Alpine Lily:



The Sea Otter is a mammal that is of **special concern** in BC



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Source: <http://www.supercoloring.com/pages/sea-otter?version=print>

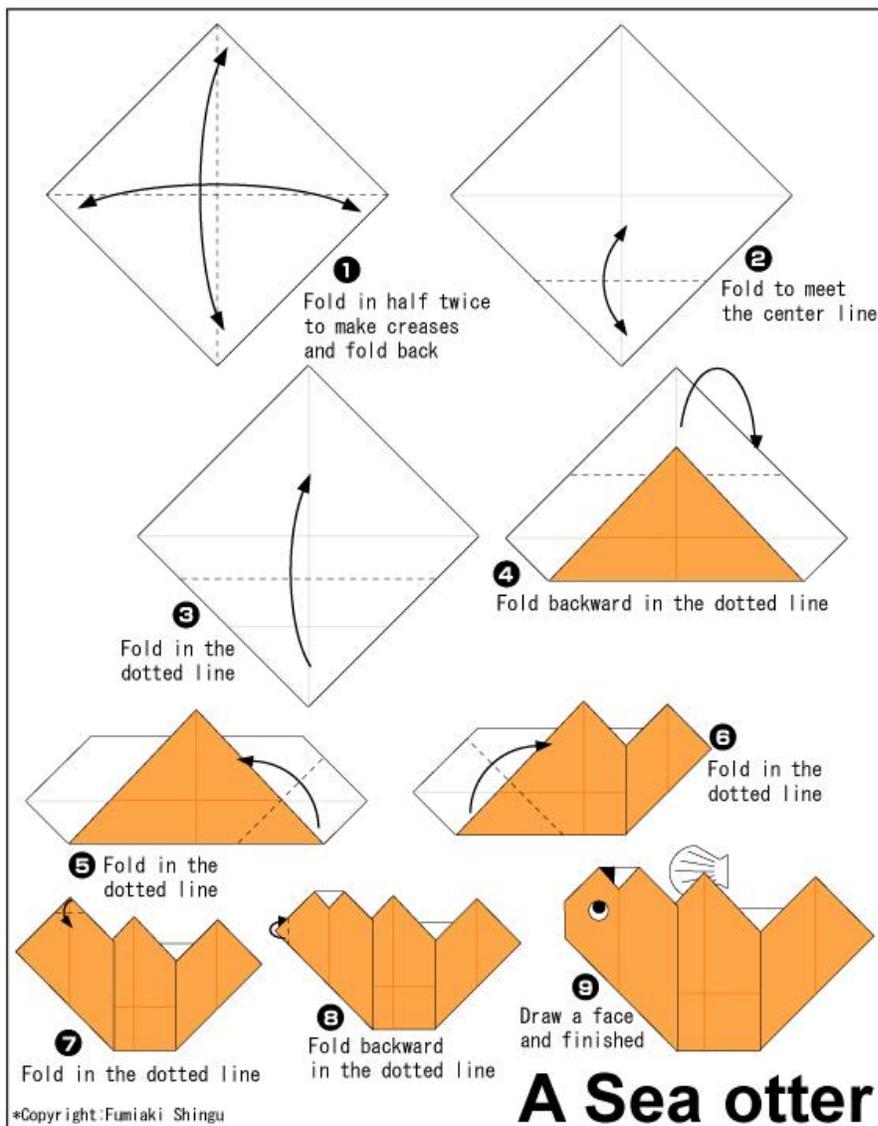
Habitat

Sea Otters lives in shallow, coastal waters that are filled with kelp. They feed on shellfish and sea urchins.

Threats

Starvation, oil spills, water pollution, hunting, and predation are threats to the Sea Otter. Predators include killer whales, sharks, and bald eagles.

Activity – Origami



The Vancouver Island Marmot is a mammal that is **endangered** in BC



Source: <http://www.supercoloring.com/pages/sitting-yellow-bellied-marmot>

Habitat

The Vancouver Island Marmot lives in alpine meadows that are 900 to 1,500 feet above sea level. They dig burrows underground to hibernate during winter. Burrows also protects them from predators. Their habitat can also include boulders that help marmots look out for predators and regulate their internal body temperature when they lay on it. Grass and other plants are the main food source for marmots

Draw a home for the marmot! This includes a meadow, burrows, plants, and grass!



Threats

Logging is a threat to marmots because it takes away their homes, and forces them to live in a small area. Predation from cougars, wolves, and eagles, is another threat to marmots. Climate change is yet another threat because it affects their hibernation time.

HOW CAN WE HELP TO CONSERVE **SPECIES-AT-RISK**?

- Reduce your own environmental impact. Here are some examples:
 - Reduce, reuse, and recycle
 - Walk or ride your bike instead of using a car
 - Save water by taking shorter showers and turn the water off when you're not using it
 - Save power by turning off the lights, TV, computer, and other electronics when you are not using them
- Learn about **Species-at-risk** and learn its threats then share your knowledge with your family and friends
- Volunteer or donate to an organization, such as a land trust, that helps protect species at risk and the land that they live on

Helpful Links

- To learn more about the Land Trust Alliance of British Columbia:
 - www.ltabc.ca
- To learn more about other land trusts that help protect **Species-at-risk** and their environment, and how you can help out:
 - <http://ltabc.ca/member-directory>
- To learn more about the **Species-at-risk** in BC:
 - <http://www.speciesatriskbc.ca/>



Land Trust Alliance of British Columbia

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