

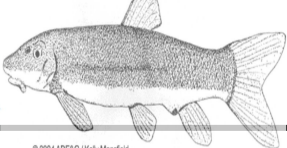






Teachers version!

Habitat Hunters

Record where you chose to put each thing in the lake ecosystem.

Name of creature/ thing (What did you pick for each category?)	Needs	Where in the lake? <i>Deep water? Shore? Middle? Bank? Bottom of the lake?</i>
Fish Lake Chub 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Shallow water near shore
Fish Pygmy Whitefish 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Middle of the lake, near thermocline
Fish Longnose Sucker 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Bottom of lake
Creature Common Loon 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	On top of lake, near shore, lots of space
Creature Trumpeter Swan 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Above the water, with plants near by for protection
Creature Osprey 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	High in tree, or diving into water
Creature Treeline Emerald Dragonfly 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Bottom of lake

Name:

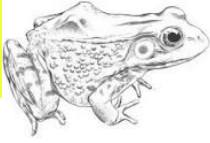
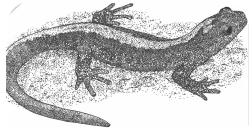

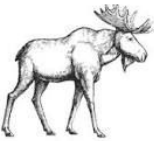


Class Period:

Date:

Teachers version!

Habitat Hunters

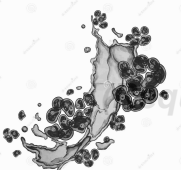




Record where you chose to put each thing in the lake ecosystem.

Name of creature/ thing (What did you pick for each category?)	Needs	Where in the lake? <i>Deep water? Shore? Middle? Bank? Bottom of the lake?</i>
Wood Frog 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Lots Warm (freeze in winter) Low O ₂
Long Toed Salamander 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Full sun Warmest Very High O ₂
Muskrat 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Less Cold High O ₂
 Creature Moose 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Some Any temp Low O ₂
 Creature Beaver 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Lots Mid range HIGH O ₂
 Creature Leech 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	NO light Cold Low O ₂
 Creature	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	

Teachers version!

Habitat Hunters

Record where you chose to put each thing in the lake ecosystem.

Name of creature/ thing (What did you pick for each category?)	Needs		Where in the lake? <i>Deep water? Shore? Middle? Bank? Bottom of the lake?</i>
 Algae	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Lots 15-25 C° Creates O ₂	On top of lake, or on rocks on bottom
Plant: Star Duckweed 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Full sun 18 °C to 24 °C Low O₂	On top of lake, mud
Plant: Cattail 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Lots Warm Low O₂	On shore, with mud
Plant: Equisetum 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Less light 18 °C to 24 °C Low O₂	Mid to bottom of lake
Plant: Pond Lily 	<u>Light:</u> <u>Temperature:</u> <u>Oxygen:</u>	Full sun 21° C in C (summer) 10° C Winter High O₂	On top of lake, roots go down to bottom

What is "lake stratification?" Why does it matter when we talk about ecosystems in and around a lake?

Lake stratification is how the different temperatures in a lake are separated into sandwich like layers. Colder layers have more dissolved oxygen, and warmer layers have less dissolved oxygen. This affects the lake ecosystem because each creature, plant, and element of the lake needs different blends of light, heat, and oxygen to survive

Teachers version!

Habitat Hunters

You need Algae, no matter what else you choose. You also need a minimum of 1 fish, 1 plant, and 1 other creature. (You can have more if they do not overlap)

Lake Bottom

Cut out (or draw) the different creatures in the correct part of the lake ecosystem

