

Habitat Bingo

Classroom Activity

SYNOPSIS

Students will learn about different habitats (or biomes) and some of the animals that are adapted to live there. Participation in the “Habitat Bingo” game will reinforce the content learned.

OBJECTIVES

Students will be able to:

- state the characteristics of five different habitats/biomes
- identify the habitat/biome in which ten different animals live

VOCABULARY/CONCEPTS

- biome
- grassland
- taiga
- rainforest
- tundra
- temperate evergreen forest
- temperate deciduous forest
- wetland

MATERIALS (all included in this document)

- bingo cards (5 different ones)
- habitat tokens - for students
- habitat tokens - to draw from
- answer key (last page)
- background information

PROCEDURE

1. Depending on the students’ academic level, introduce the concept of habitat/ biome (see background information on following pages.)
2. Have the students engage in hands-on activities, language arts lessons, library research, etc., so they can learn about the different habitats/biomes and the animals and plants associated with them.

CHECK FOR UNDERSTANDING - BINGO GAME

1. Hand out one bingo card and several of each ecosystem tokens to each student.
2. One at a time, “draw” out a habitat token and hold it up for the students.
3. The students are to take the matching habitat token, find an animal on their bingo card that could live in that habitat, and place their small token on it.
4. The first student that gets 5 across “wins.” The student should verbally share the five matches.

Habitats in Various Biomes/Characteristics

Variations:

Regions around the world are divided into different **biomes** (major communities of organisms that have a characteristic appearance and that are distributed over a wide land area defined largely by regional variations in climate). The variations in climate are mainly due to the amount of available moisture and the temperature. You can predict which biome will be supported in a particular area based on the amount of precipitation and the mean annual temperature.

Productivity/Life Forms

The productivity of an ecosystem is strongly influenced by the amount of precipitation and the mean annual temperature.

Biomes

Grasslands

- Halfway between the equator and the poles
- Once covered much of the interior of North America, and were widespread in Eurasia and South America
- Many of these areas have been converted into agricultural land
- In North America, huge herds of bison and pronghorns once lived on the prairies.

Deserts

- Dry places where less than 25 centimeters (10 inches) of rain falls in a year
- Very little vegetation
- Survival depends on water conservation (adaptations that allow for this)
- Most desert vertebrates live in deep and cool burrows
- Many animals are active only at night
- Some animals, like camels, can drink a lot of water when it is available, and then survive long, dry periods
- In general, in the interior of continents (including the Sahara in Africa, the Gobi in Asia, and the Great Sandy Desert in Australia)

Rainforests

- Receive 140 to 450 centimeters (55 to 177 inches) of rain a year
- Richest ecosystems on earth
- Contain at least half of the earth's species of terrestrial plants and animals (more than 2 million species)
- In South America, Africa, and Southeast Asia

Forests

Temperate Deciduous Forests

- Warm summers and cool winters
- Plentiful rains
- Deer, bears, beavers, and raccoons live in temperate regions
- Eurasia, northeastern United States, eastern Canada

Temperate Evergreen Forests

- Cold winters and a seasonal dry period
- The pine forests of the western United States, the California oak woodlands, and Australian eucalyptus forests are typical evergreen forests
- Many of these forests are endangered by overlogging (especially in the western U.S.)

Taiga

- Winters are long and cold; most of the limited precipitation falls in the summer
- Northern forests of coniferous trees
- Extends across vast areas of Asia and North America
- One of the largest ecosystems on earth
- Few people live there (growing season is short)
- Many large mammals live here (elk, moose, deer, wolves, bears)
- Fur trapping and logging have been extensive in this region
- Marshes, lakes, and ponds are common
- Most of the trees occur in dense stands of one or a few species

Tundra

- Far north
- Few trees grow
 - The grassland (called tundra) is open and windswept
- Covers one-fifth of the earth's land surface
- Very little rain or snow falls
- Large mammals live here (musk-oxen, caribou, wolves, foxes)

Habitats Not Considered "Biomes"

Mountains/Mt. St. Helens/Dwarf plant varieties

- Above a certain elevation, trees no longer grow
- Plant growth is sometimes stunted resulting in "dwarf" varieties that are much shorter than the normal plants
- Resources (food, water, shelter, space) are limited and the plants compete for them.

Oceans/Coral reefs/Marine life

- Salt water
- Animals are adapted to salt water habitat
- 40% of the world's photosynthetic productivity is estimated to occur in the oceans

Wetlands

- Areas of land that have permanent standing water
- Very important as habitat for migrating birds
- Water source for animals

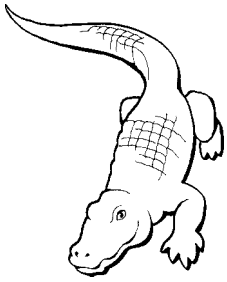
Estuaries

- Wetlands where fresh water and salt water mix
- Plants must be adapted to tolerating salt
- Some plants "sweat" out the salt (salt grass), others shun it to certain parts which then fall off (pickleweed)

Freshwater ponds

- Have three zones where organisms occur (distributed according to the depth of the water and its distance from shore)
- Found where there is permanent standing water
- The water table is just at or just above the surface
- Saturated soil
- Water-loving, non-woody, short, plants
 - Animals rely on ponds and lakes as water sources

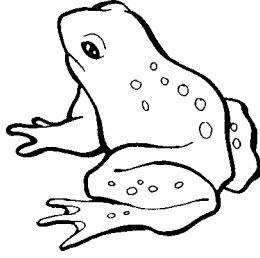
Habitat Bingo #1



alligator



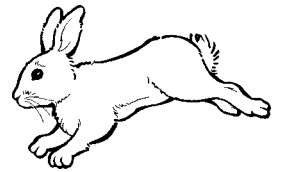
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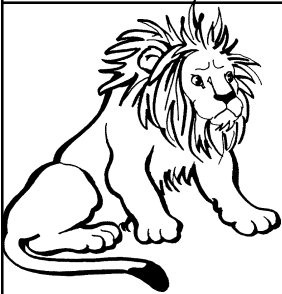
frog



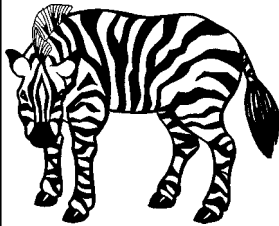
giraffe



rabbit



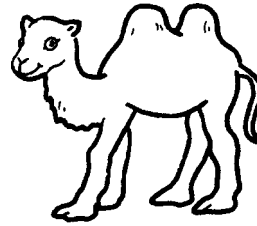
lion



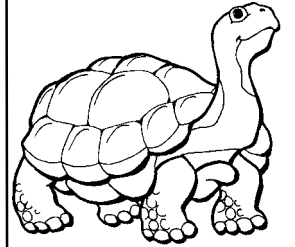
zebra



bat



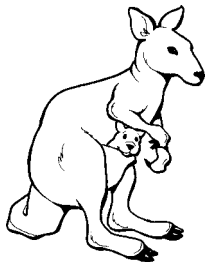
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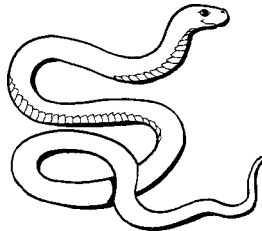
turtle



moose



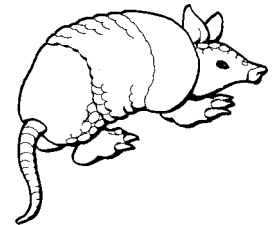
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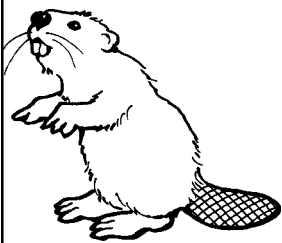
snake



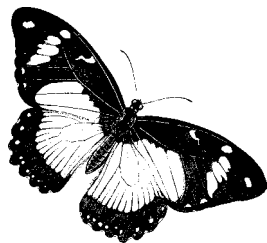
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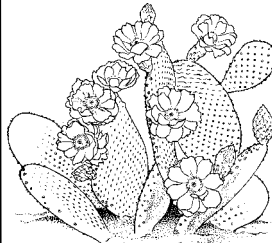
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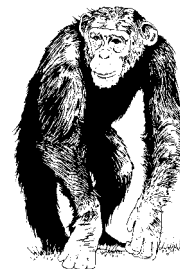
beaver



butterfly



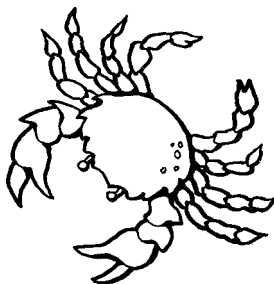
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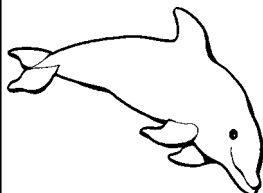
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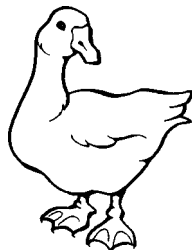
coyote



crab



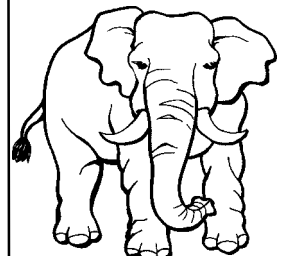
dolphin



duck

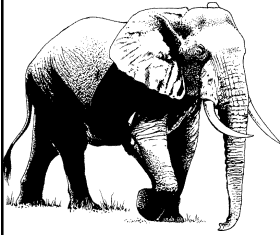


eagle

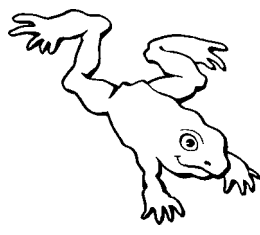


elephant

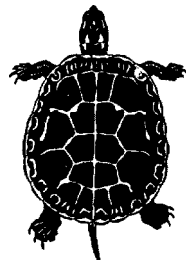
Habitat Bingo #2



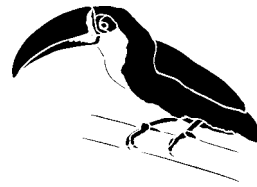
elephant



frog



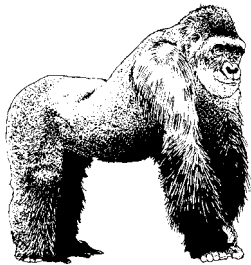
turtle



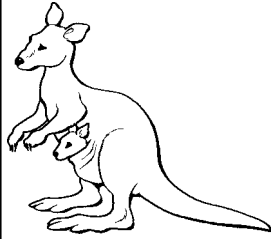
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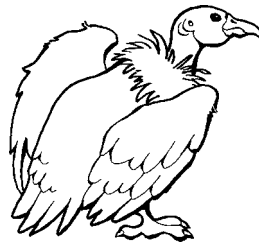
killer whale



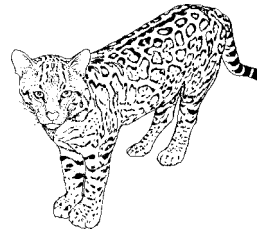
gorilla



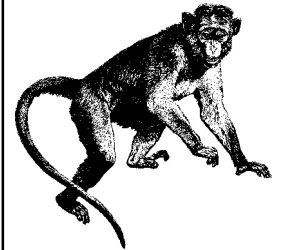
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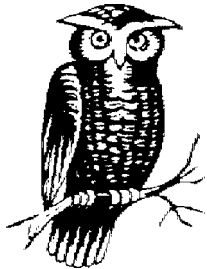
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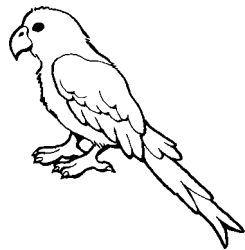
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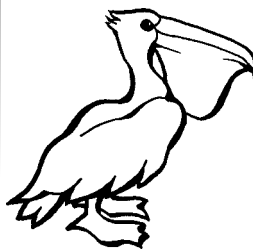
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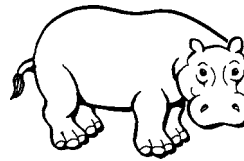
owl



parrot



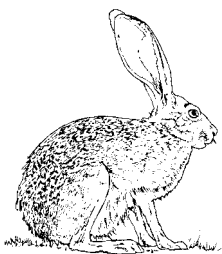
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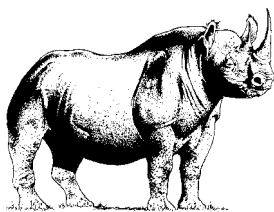
hippopotamus



polar bear



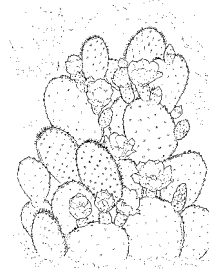
rabbit



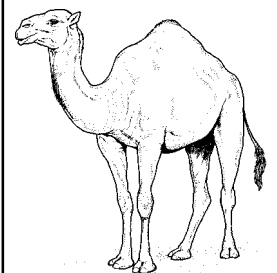
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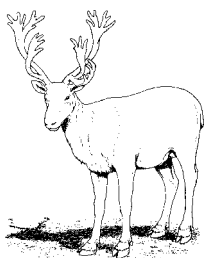
sea horse



cactus



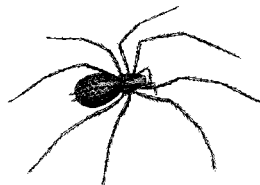
camel



deer



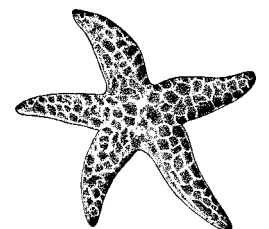
seal



spider



squirrel

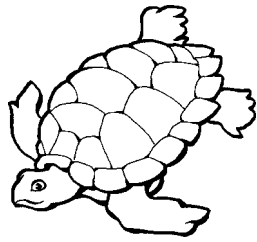


sea star

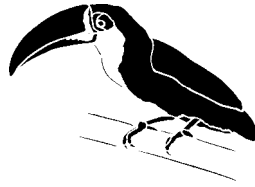
Habitat Bingo #3



killer whale



turtle



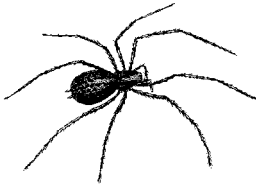
toucan



zebra



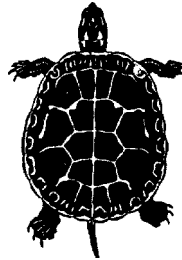
tiger



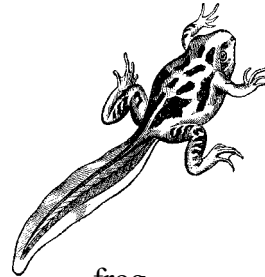
spider



squirrel



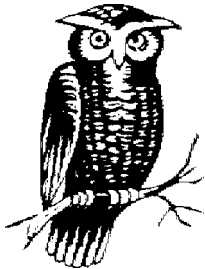
turtle



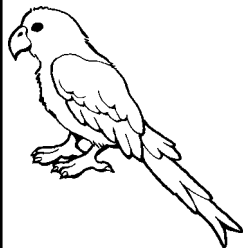
frog



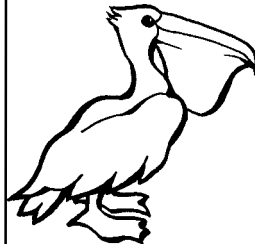
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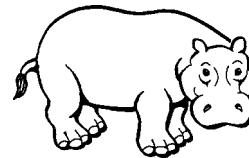
owl



parrot



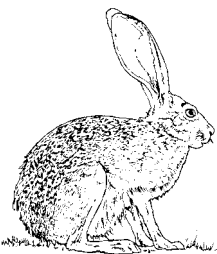
pelican



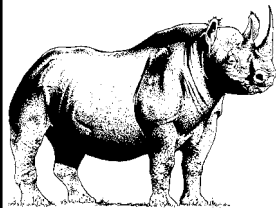
hippopotamus



hummingbird



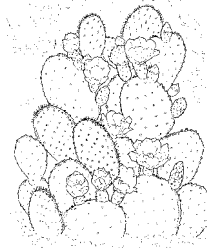
rabbit



rhinoceros



sea horse



cactus



mushrooms



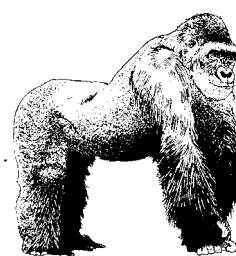
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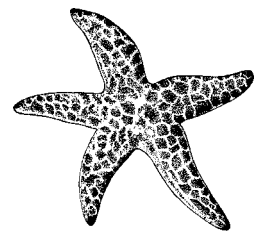
kangaroo



deer



gorilla



sea star

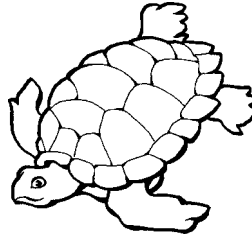
Habitat Bingo #4



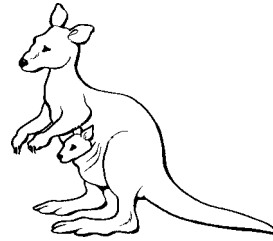
tiger



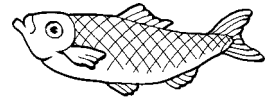
frog



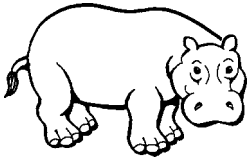
turtle



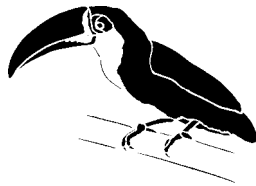
kangaroo



fish



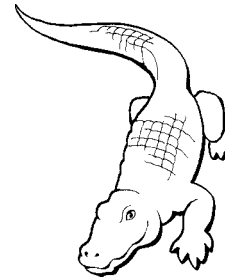
hippopotamus



toucan



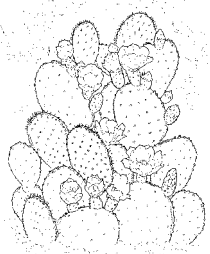
zebra



alligator



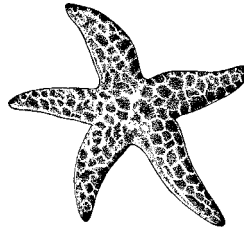
coyote



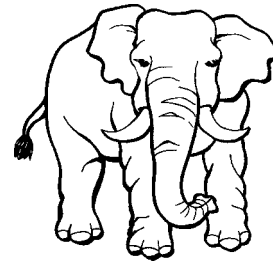
cactus



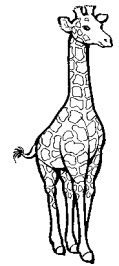
sea horse



sea star



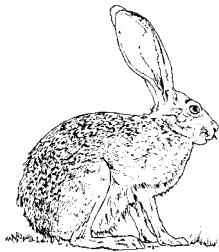
elephant



giraffe



mushrooms



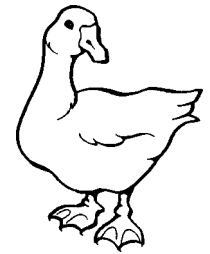
rabbit



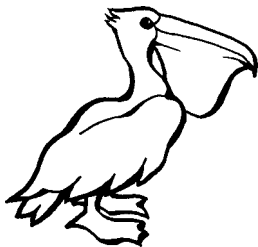
killer whale



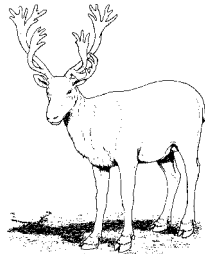
seal



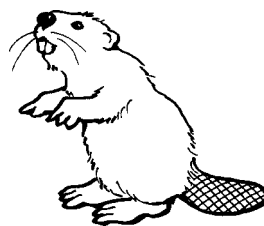
duck



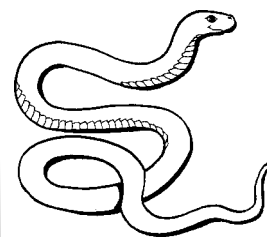
pelican



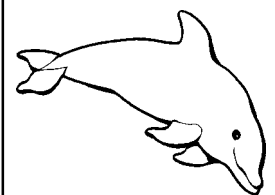
deer



beaver

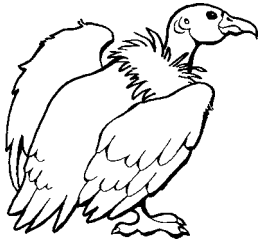


snake

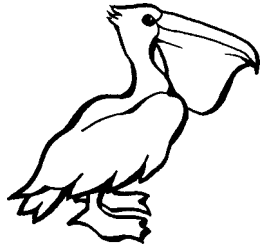


dolphin

Habitat Bingo #5



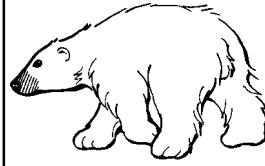
vulture



pelican



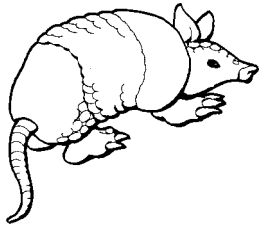
eagle



polar bear



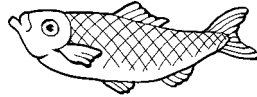
squirrel



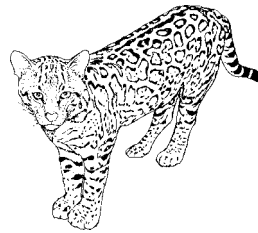
armadillo



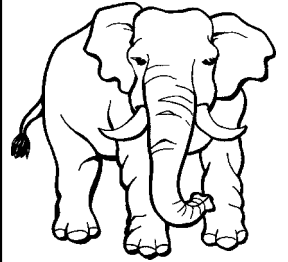
kangaroo



fish



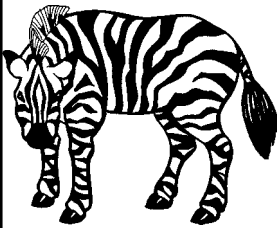
tiger



elephant



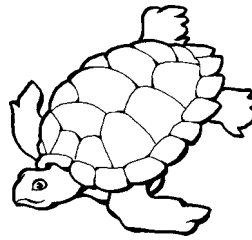
lion



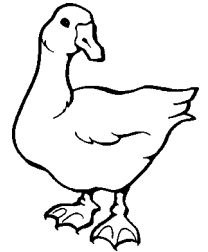
zebra



bat



turtle



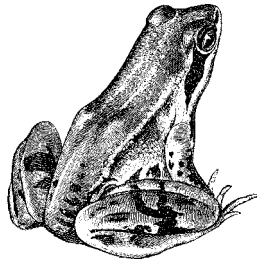
duck



mushrooms



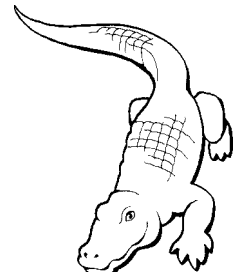
giraffe



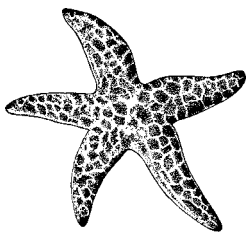
frog



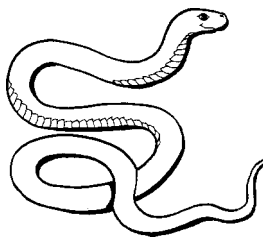
coyote



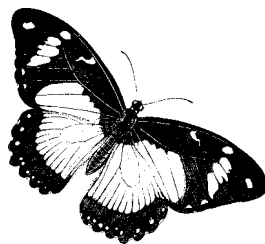
alligator



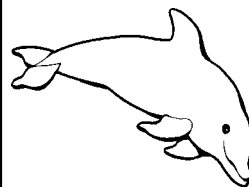
sea star



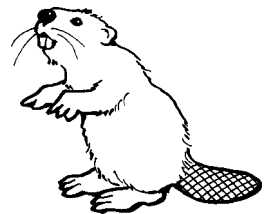
snake



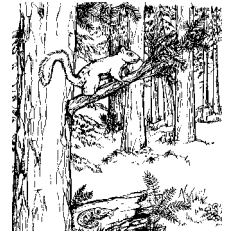
butterfly



dolphin



beaver



mountain forest

mountain forest



river



river



lake/wetland



lake/wetland



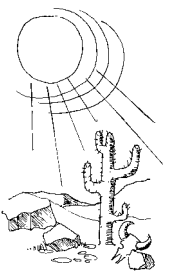
river



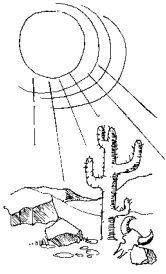
mountain forest



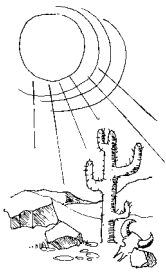
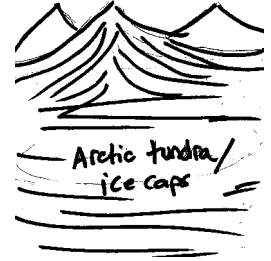
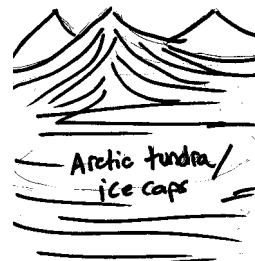
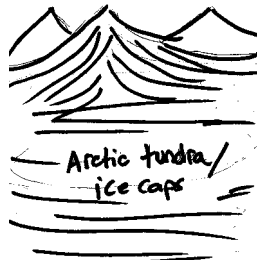
lake/wetland



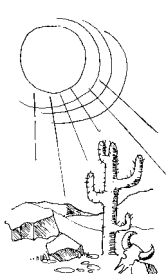
desert



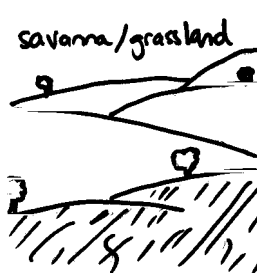
desert



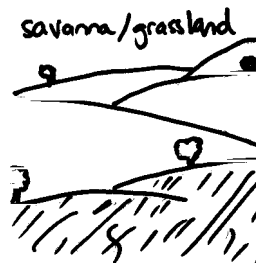
desert



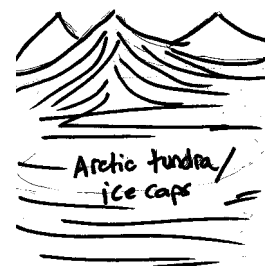
desert



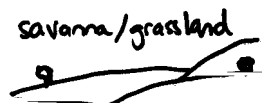
savanna/grassland



savanna/grassland



Arctic tundra / ice caps



savanna/grassland



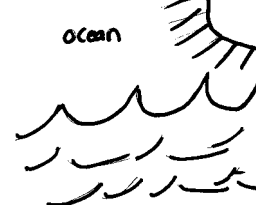
ocean



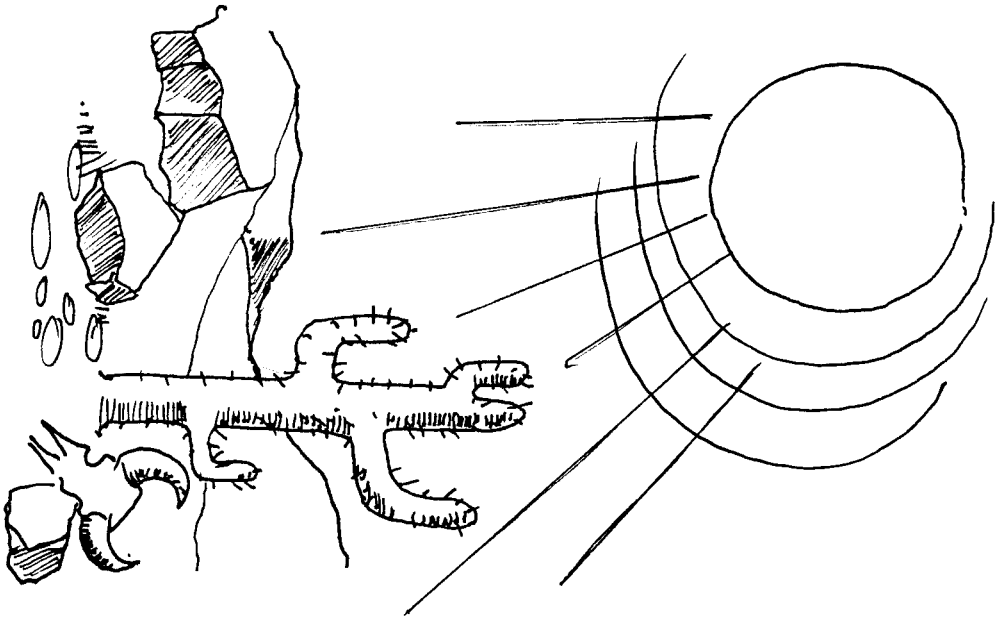
ocean



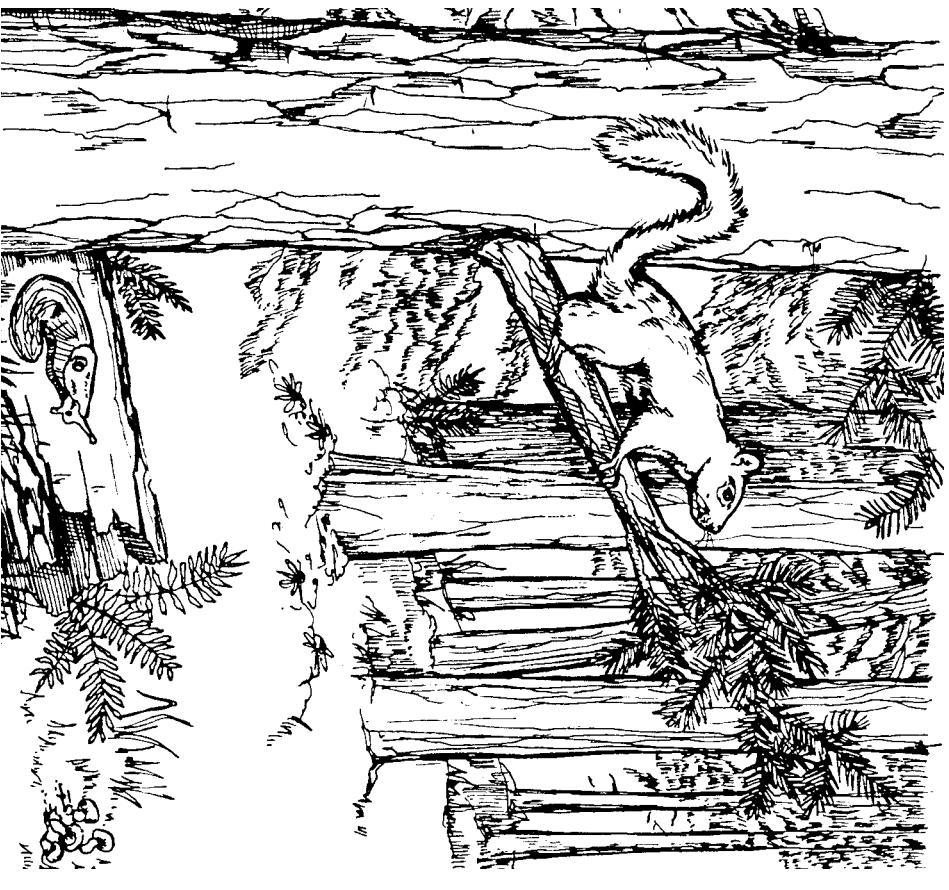
ocean



ocean



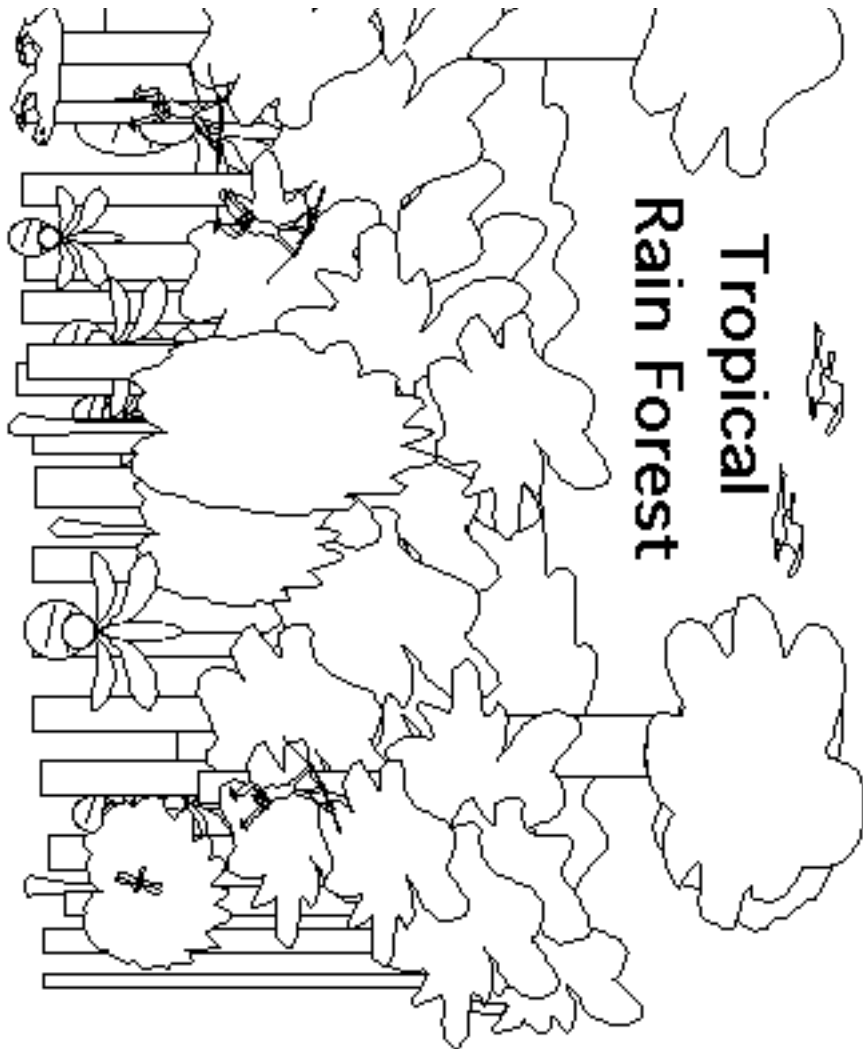
desert



mountain forest



lake/wetland



ocean

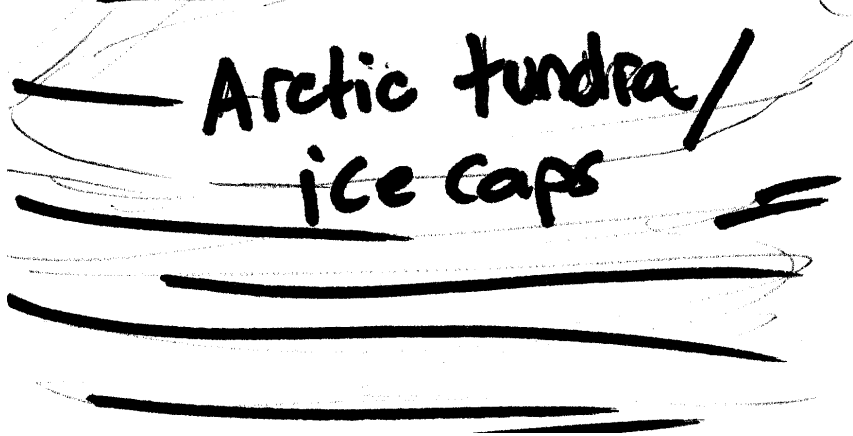


river

savanna / grassland



Arctic tundra /
ice caps



FREE

Habitat Bingo Answers

(although there are always exceptions!)

Animal	Ecosystem/Habitat
Alligator	Lake/wetland
Armadillo	Savanna/grassland
Bat	Mountain forest
Beaver	River
Butterfly	Any but desert
Cactus	Desert
Camel	Desert
Chimpanzee	Tropical rainforest
Coyote	Desert
Crab	Ocean
Deer	Mnt. forest, savanna/grassland, desert
Dolphin	Ocean
Duck	River, lake/wetland, ocean
Eagle	Lake/wetland
Elephant	Savanna/grassland
Frog	River, lake/wetland
Giraffe	Savanna/grassland
Gorilla	Tropical rainforest
Hippopotamus	Lake/wetland, river
Hummingbird	Savanna/grassland, river, mountain forest
Kangaroo	Savanna/grassland
Killer whale	Ocean
Leopard	Savanna/grassland, mountain forest
Lion	Savanna/grassland
Monkey	Tropical rainforest
Moose	Tundra
Owl	Mountain forest
Parrot	Tropical rainforest
Pelican	Ocean, lake/wetland
Polar bear	Ice caps
Rabbit	Any but rainforest
Rhinoceros	Savanna/grassland
Sea horse	Ocean
Sea star	Ocean
Seal	Ice caps, ocean
Snake	Any
Spider	Any
Squirrel	Mountain forest
Tiger	Savanna/grassland, mountain forest
Toucan	Tropical rainforest
Turtle	Ocean, lake/wetland, river
Vulture	Savanna/grassland
Zebra	Savanna/grassland