
Secret Message

DIRECTIONS: To solve this puzzle, look at the definitions below. Think of a word which fits the definition and has the same number of letters as the number of spaces provided. Then, place the letter that fits in each circle into the circles on the following page to determine the secret message.

A. The study of the inter-relationships of all living and non-living things.

1

— — — — —

B. Organisms which take energy from the sun and use it to produce their own food and grow.

2

— — — — —

C. Any self-renewing community.

7

— — — — —

D. The method by which energy is transferred from one organism to another organism.

9

— — — — —

E. The sum total of all living and non-living things.

3

— — — — —

F. Acting upon one another.

4

— — — — —

G. All living things.

5

— — — — —

H. The ability or active strength to do anything.

10

— — — — —

I. Systems by which all organisms get energy through food.

6

— — — — —

J. Because many organisms are parts of different food chains, they make a _____ .

— — — — — (2 words)

K. Organisms that get their food and energy from other organisms.

8

— — — — —

L. Organisms that decay other materials, returning the elements of which they are made to the soil, air, and water.

— — — — —

SECRET MESSAGE:

1 2 3 4 5 6 7 8 9 10

— — — — —

(2 words)

ANSWERS: A. Ecology; B. Producers; C. Ecosystems; D. Energy; E. Environment; F. Interrelationships; G. Organisms; H. Energy; I. Food Chain; J. Food Web; K. Consumers; L. Decomposers

Magic Square

DIRECTIONS: Below is a puzzle called a “Magic Square.” Select from the column on the left the word which best answers each of the statements in the column on the right. Place the number of the word in the proper space in the magic square box provided. If your answers are correct they will form a magic square. The total will be the same in each row across and down to form a magic number. Add up the rows across as you do them to check if you are coming out with the same number for each row. If not, better check your answers in the row that does not have the same number as the majority.

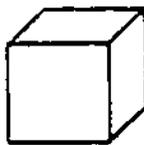
ANSWERS:

- | | |
|-------------------------------|---|
| (1) Environment | A. The sum total of all living and non-living things. |
| (2) Interrelationship | B. An organism. |
| (3) Ecology | C. Because many organisms are part of different food chains, we say they make a _____. |
| (4) Organisms | D. Any self-renewing community populated by producers, consumers, and decomposers. |
| (5) Energy | E. A decomposer. |
| (6) Food Chains | F. All living things. |
| (7) Food Web | G. Organisms that get their food and energy through food from other organisms. |
| (8) Producers | H. Systems by which all organisms get energy through food. |
| (9) Consumers | I. Organisms that break down other materials, returning the elements of which they are made to the soil, air, and water. |
| (10) Decomposers | J. The ability or active strength to do anything. |
| (11) Energy Cycle | K. A producer. |
| (12) Ecosystems | L. The study of the interrelationships of all living and non-living things. |
| (13) Grow, Play, Work, Change | M. Organisms which take energy from the sun and use it to make their own food. |
| (14) Cow | N. Energy from the sun is taken in by the producer: 1) passed to consumer; 2) and returned to the producers; 3) much energy is lost in the transfer so new energy is needed from the sun. |
| (15) Fungi | O. Acting upon one another. |
| (16) Algae | |

Magic Square

A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P

Magic Number

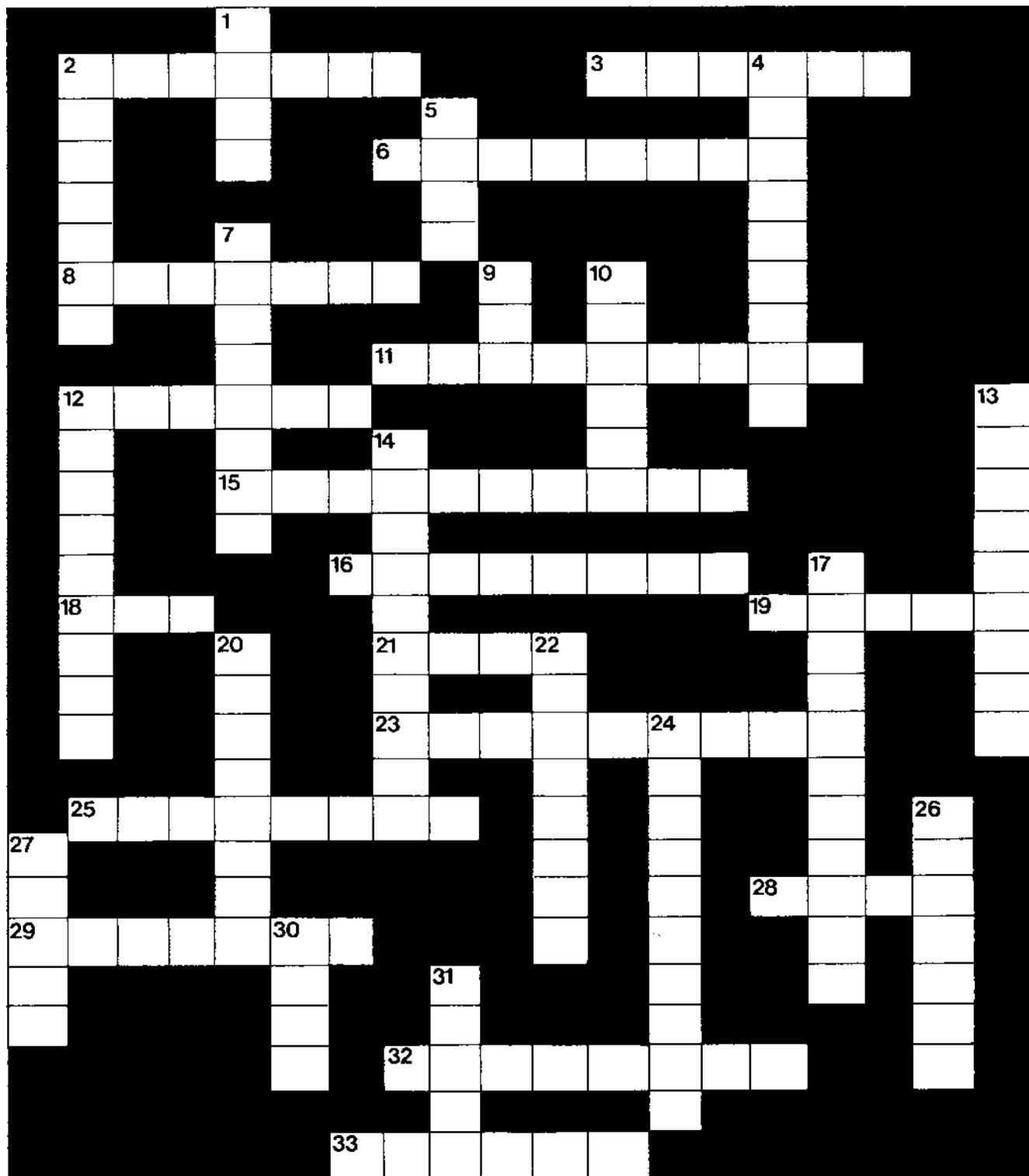


A	B	C	D
1	14	7	12
E	F	G	H
15	4	9	6
I	J	K	L
10	5	16	3
M	N	O	P
8	11	2	13

Magic Number



Crossword Puzzle



Crossword Puzzle Clues

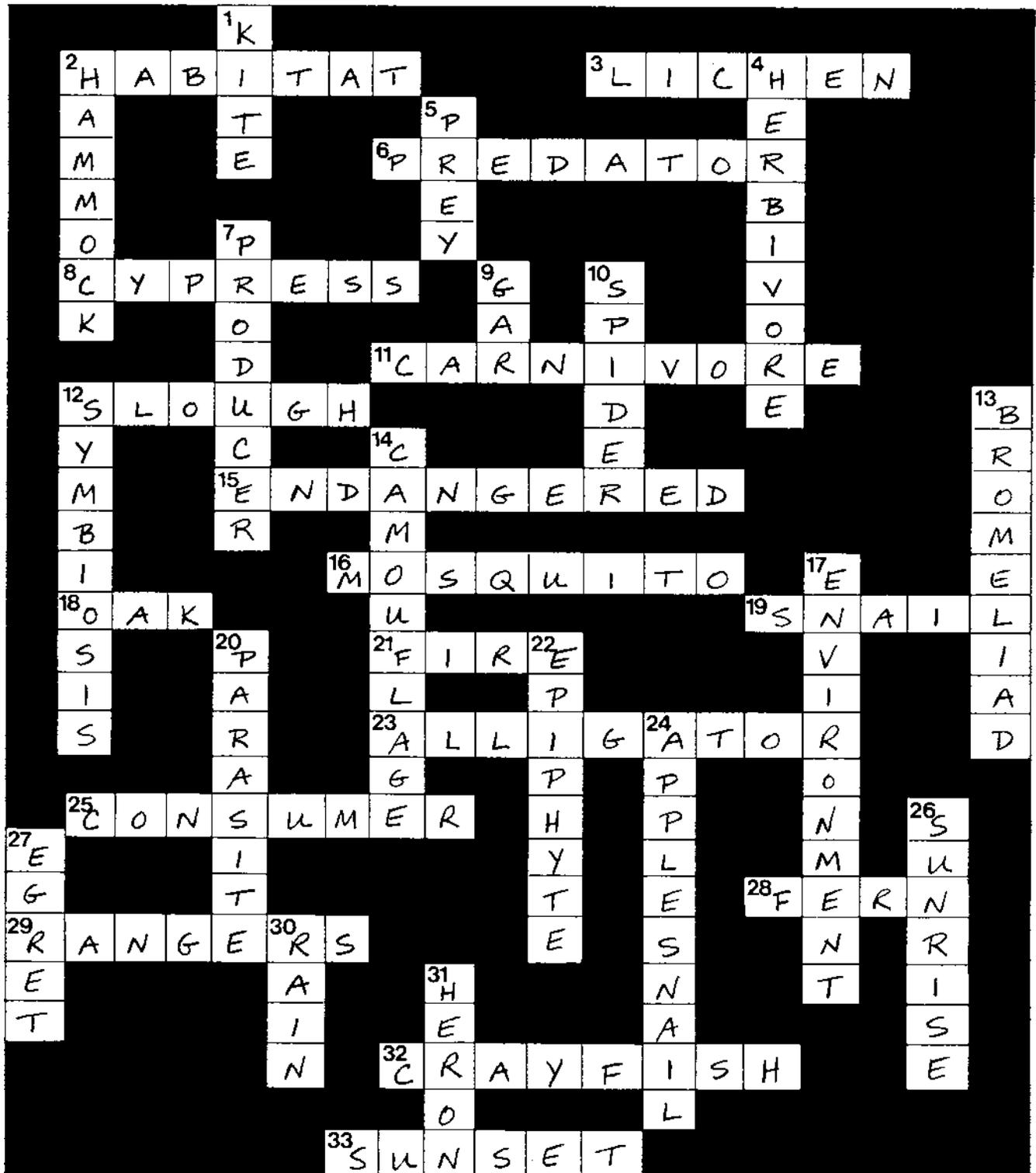
Across

2. The natural home of a plant or animal.
3. A moss and an algae took a “_____” to each other.
6. An animal that hunts for its food.
8. A tree that likes a watery habitat and has knees.
11. An animal that eats meat.
12. A watery place; a deeper, slow-moving channel of water.
15. Threatened with extinction.
16. A small insect; the female only bites to get blood to nourish her eggs.
18. A hardwood tree; has acorns.
19. A gastropod.
21. Helps a pineland survive.
23. A reptile that’s important to other Everglades animals by helping keep water holes clear.
25. An organism that gets its energy by eating another organism.
28. A plant that likes shade.
29. Special people who work to protect our natural environment.
32. A small crustacean.
33. The end of the day.

Down

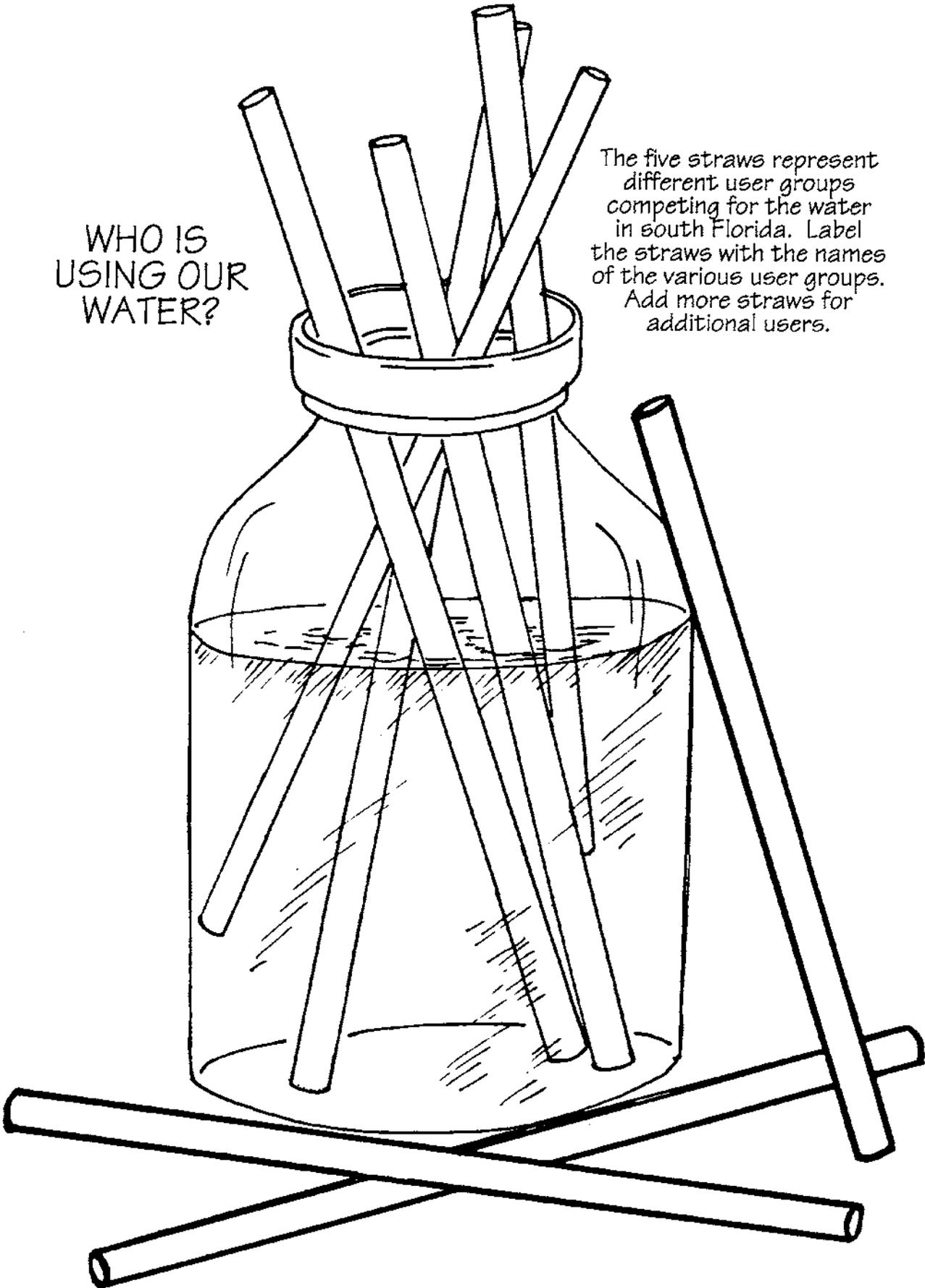
1. Bird: snail _____.
2. A tree island.
4. An animal that eats plants.
5. Predator’s victim.
7. A plant is a _____.
9. Alligators love to eat this fish.
10. An arachnid.
12. Two or more organisms living together and helping each other; a lichen is one.
13. An epiphyte; an air plant.
14. Ability of a plant or animal to blend into its environment.
17. Surroundings of an organism.
20. Animal/plant that lives off its host.
22. A plant that uses another plant.
24. Main diet of the snail kite.
26. Beginning of the day.
27. Became endangered because women liked to decorate hats with their feathers.
30. Critical to life in Everglades.
31. A wading bird.

Key to Crossword Puzzle

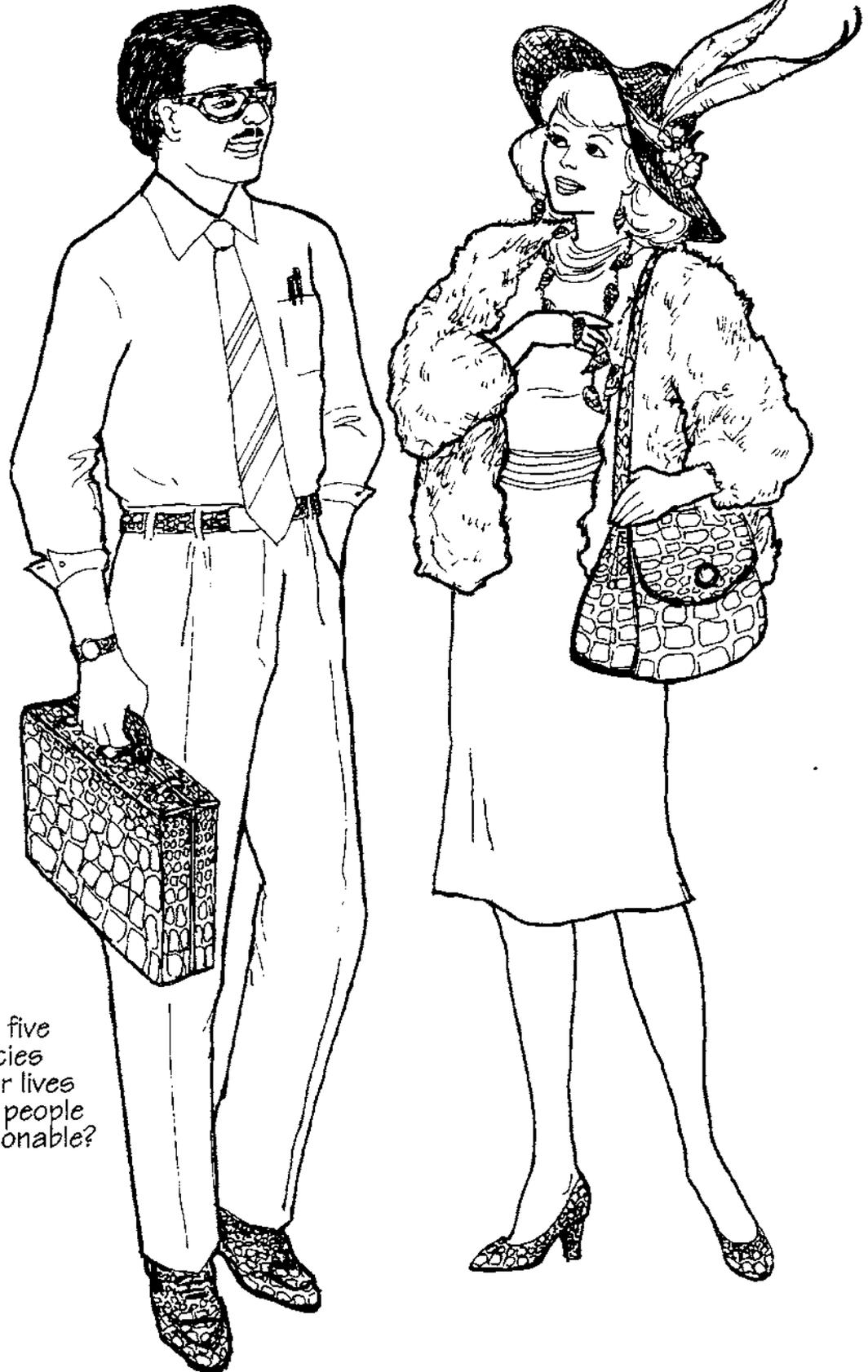


WHO IS
USING OUR
WATER?

The five straws represent
different user groups
competing for the water
in south Florida. Label
the straws with the names
of the various user groups.
Add more straws for
additional users.

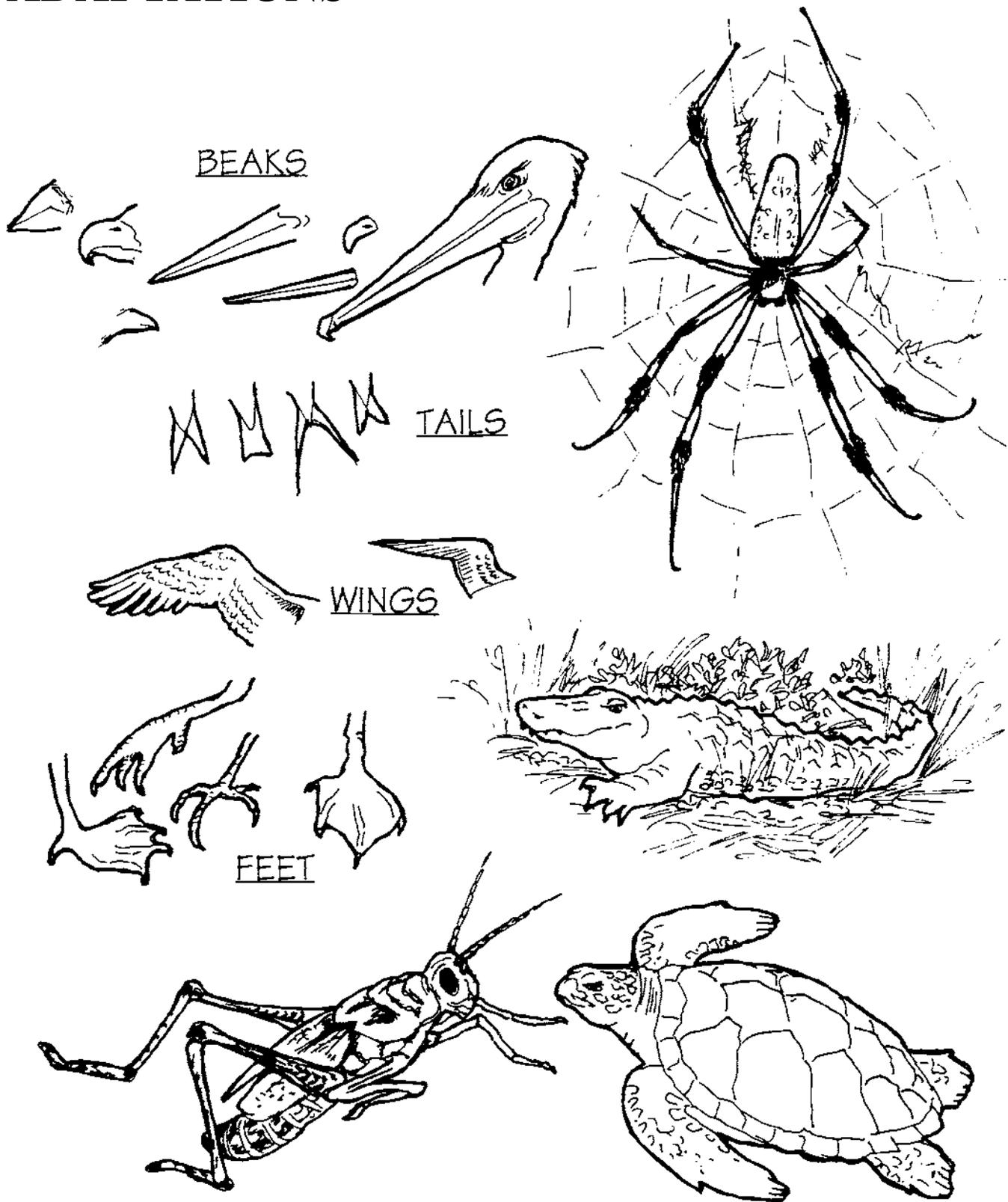


ANIMALS OF FASHION



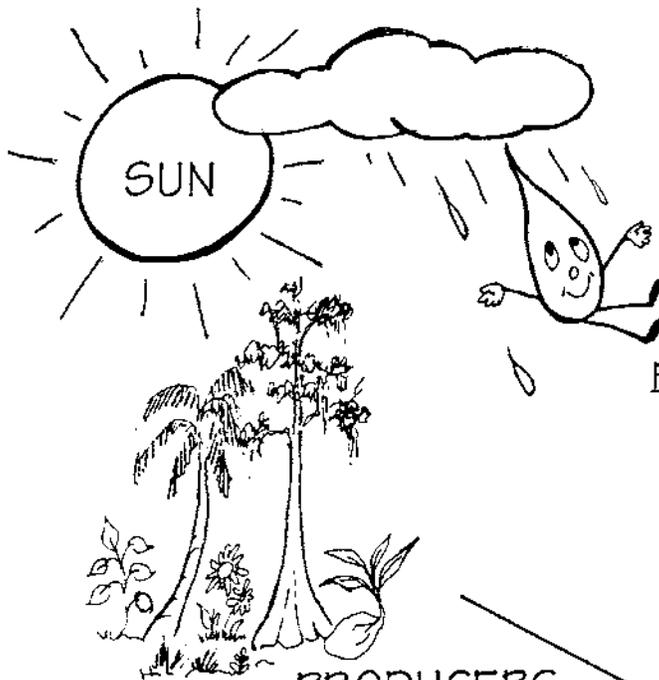
Can you list five
animal species
that lost their lives
so that these people
could look fashionable?

ADAPTATIONS



ADAPTATIONS: Special characteristics that make an organism more suited to its environment.

PRODUCERS, CONSUMERS,

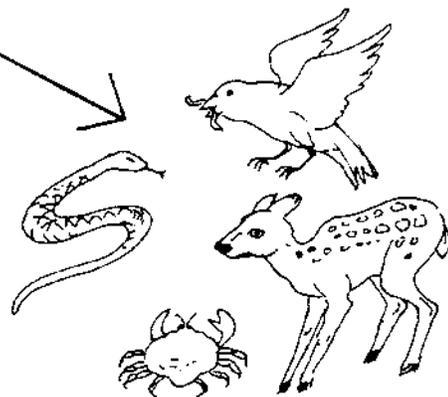


PRODUCERS : organisms (green plants) which take energy from the sun and use it to produce their own food.

PRODUCERS

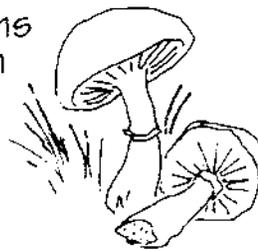
CONSUMERS : organisms that get their food and energy from other organisms.

Consumers eat producers and other consumers.



CONSUMERS

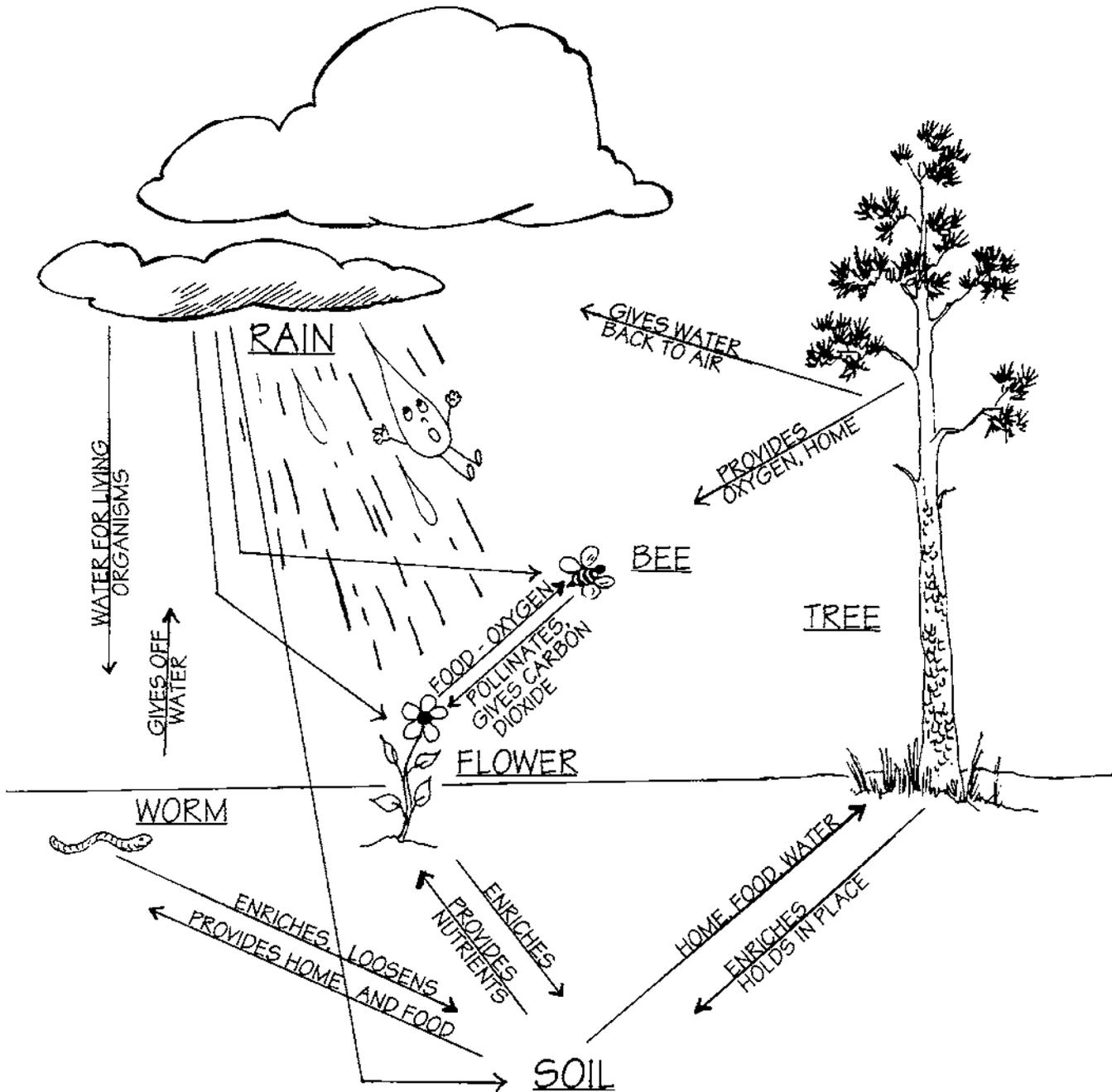
DECOMPOSERS : organisms that decay or break down other materials returning the elements of which they are made to the soil, air and water.



DECOMPOSERS

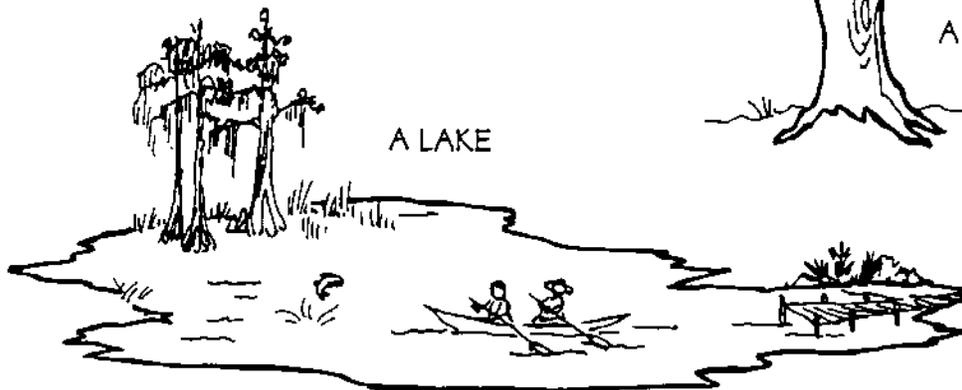
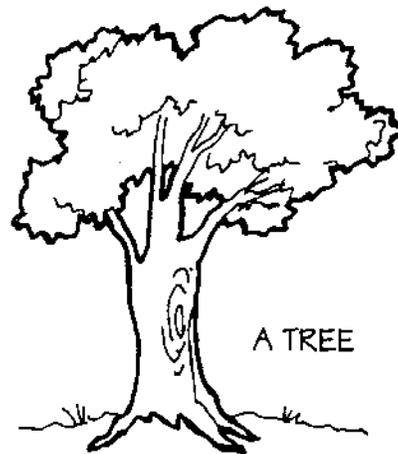
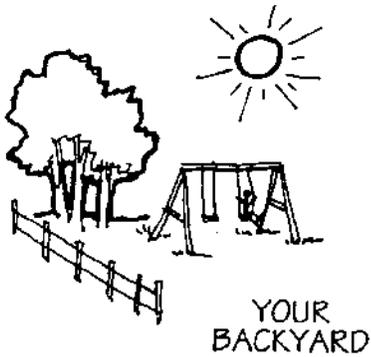
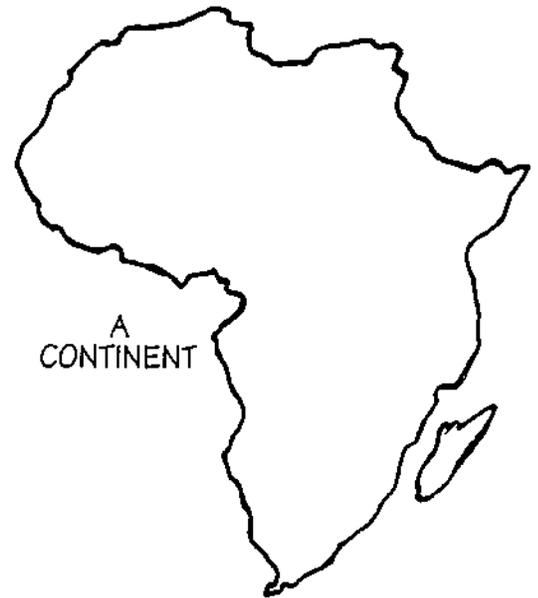
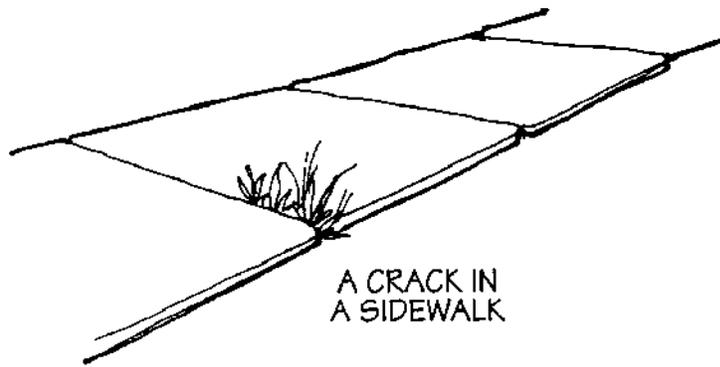
SOIL

ECOLOGY



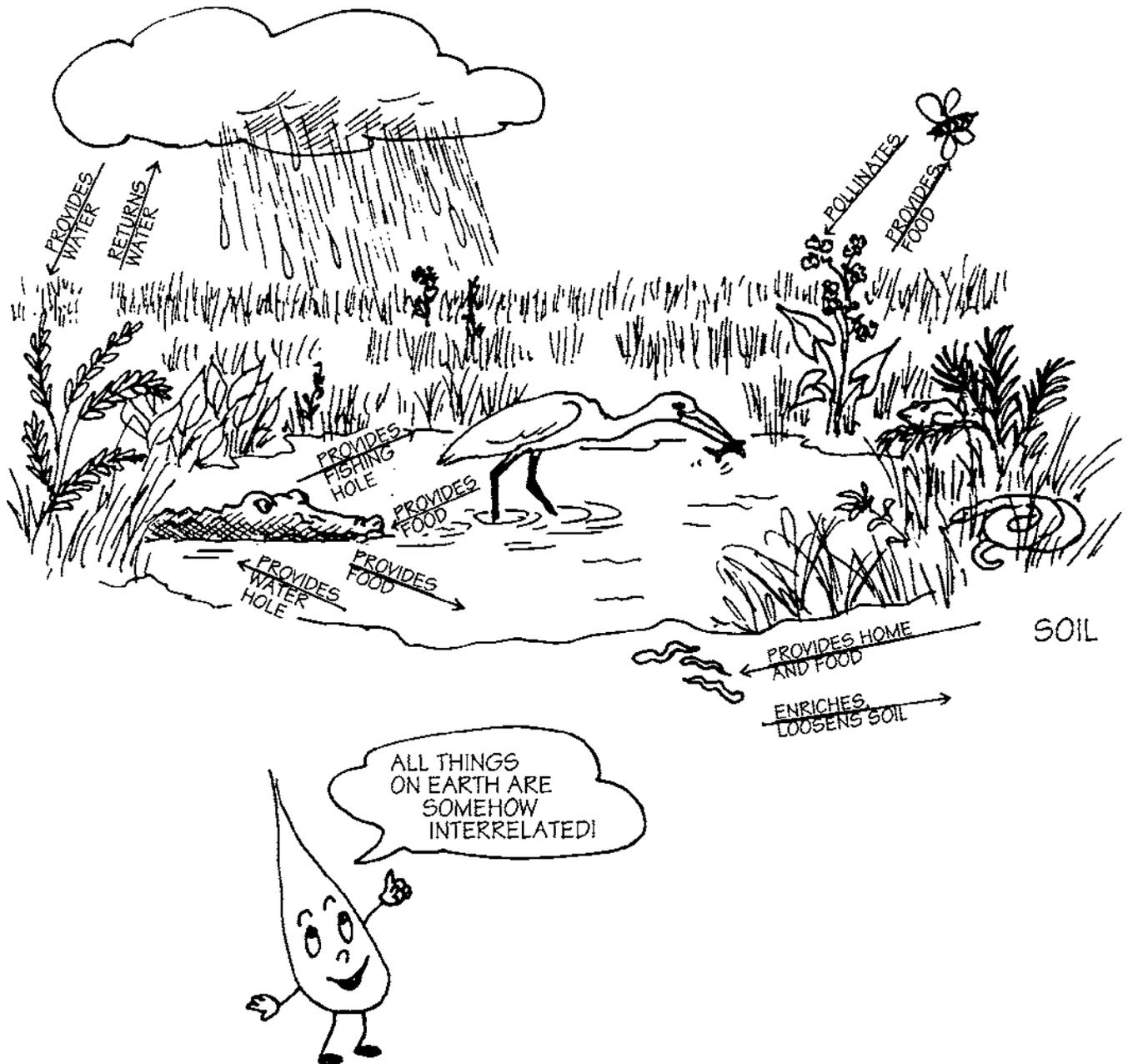
ECOLOGY: The study of the interrelationships of all living and non-living things.

ECOSYSTEMS CAN BE:



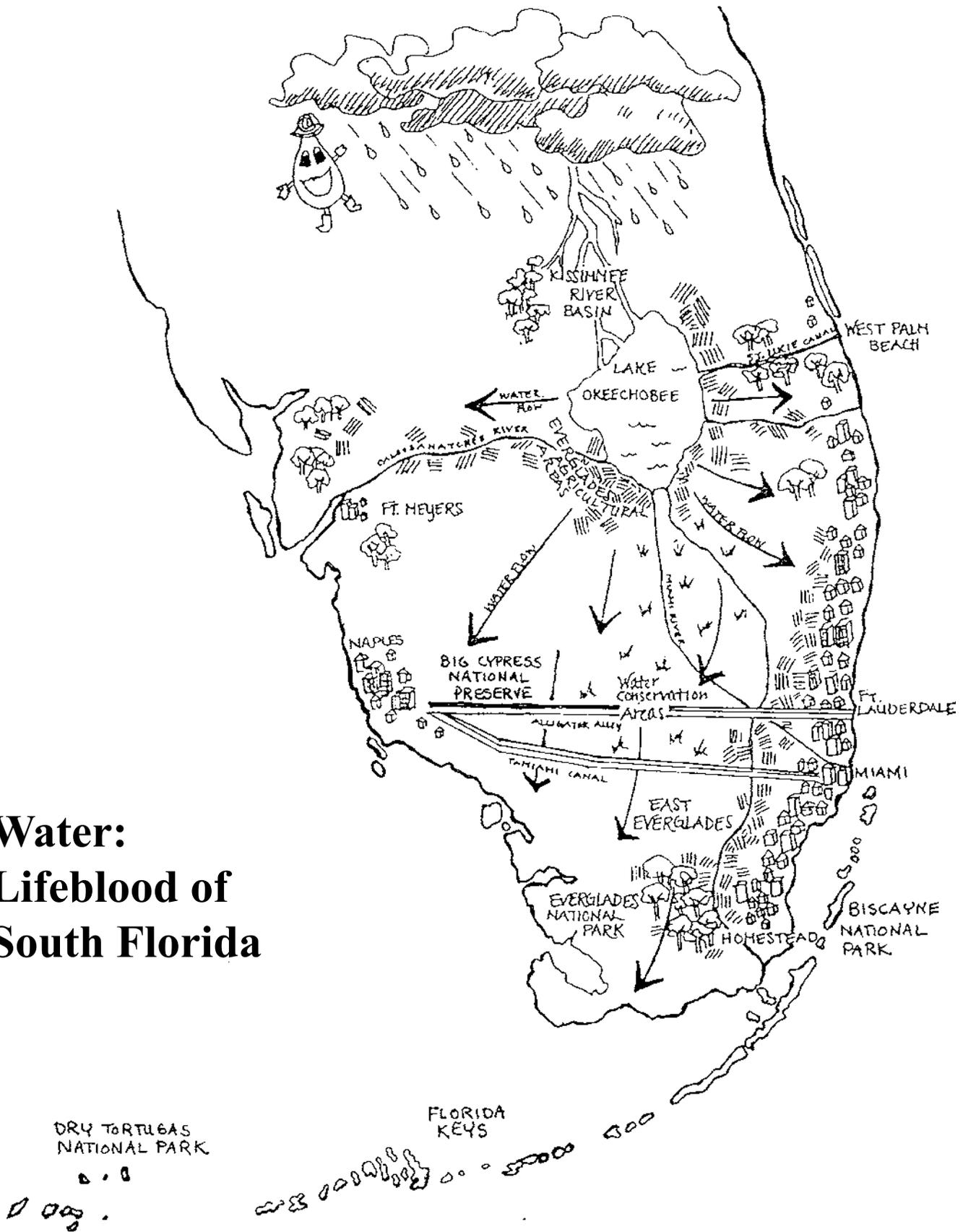
ECOSYSTEMS: The interaction of the biological community (all living things) and the physical environment (water, air, minerals).

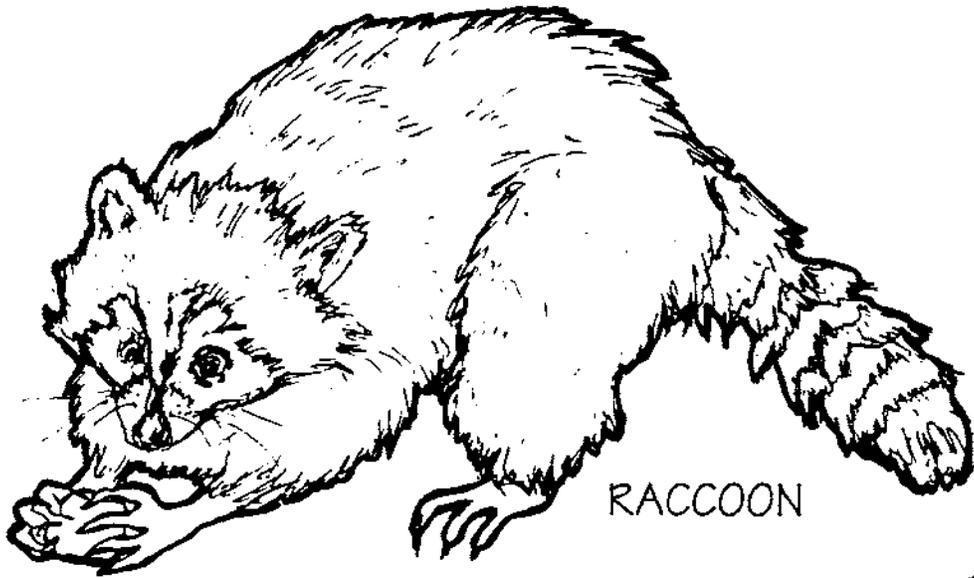
INTERRELATIONSHIPS AT A SOUTH FLORIDA ALLIGATOR HOLE



INTERRELATIONSHIP: Organisms interacting with each other in their environment.

Water: Lifeblood of South Florida



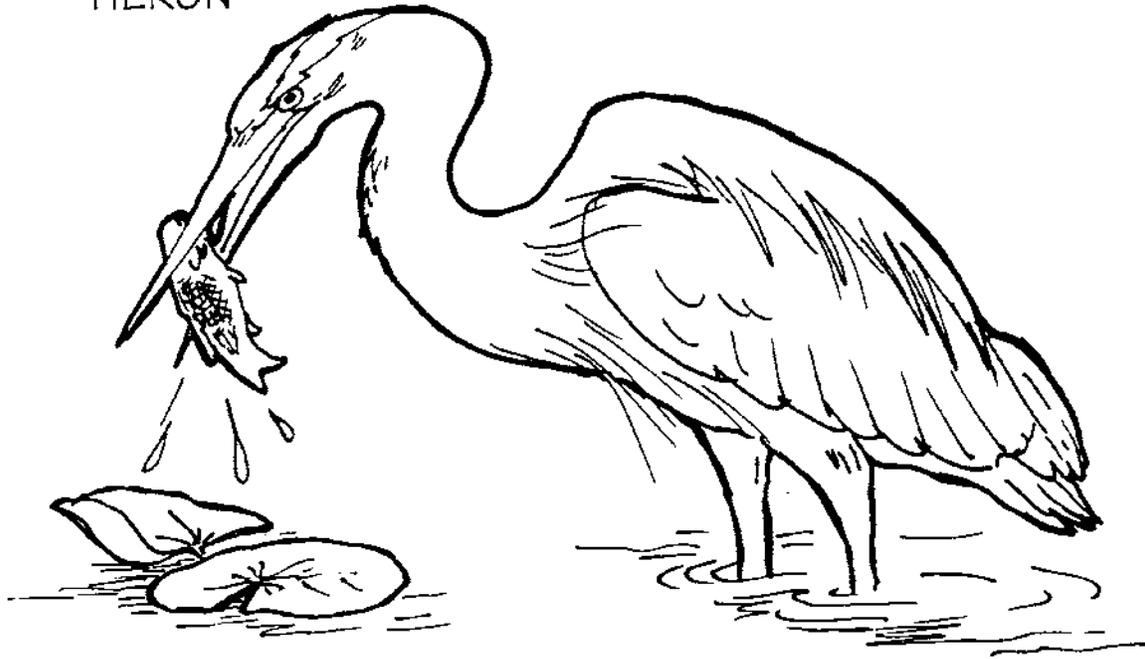


RACCOON



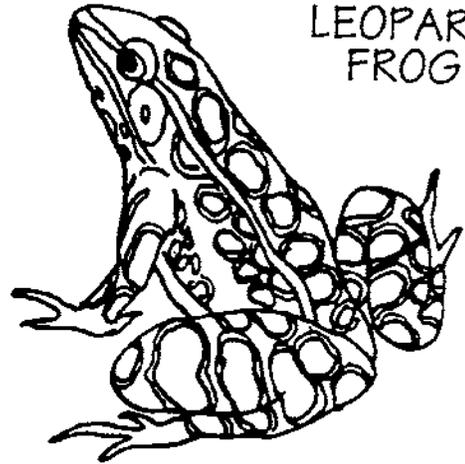
ANOLE

GREAT BLUE
HERON

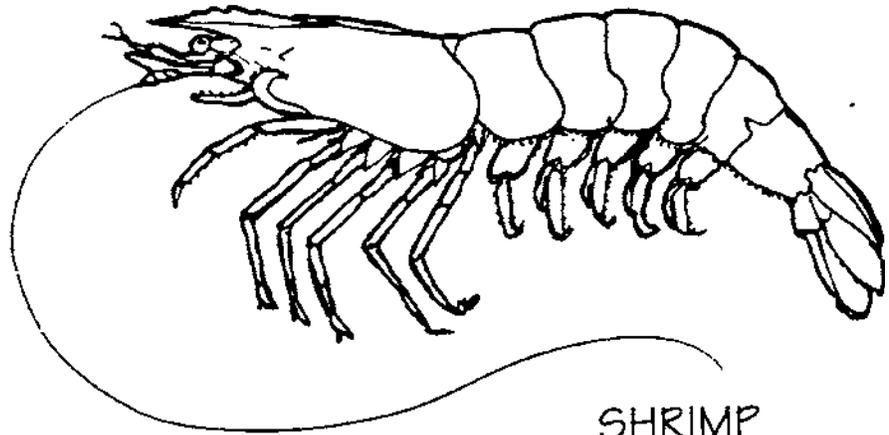




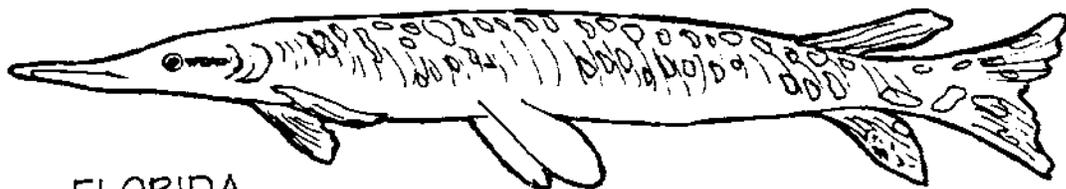
MANATEE



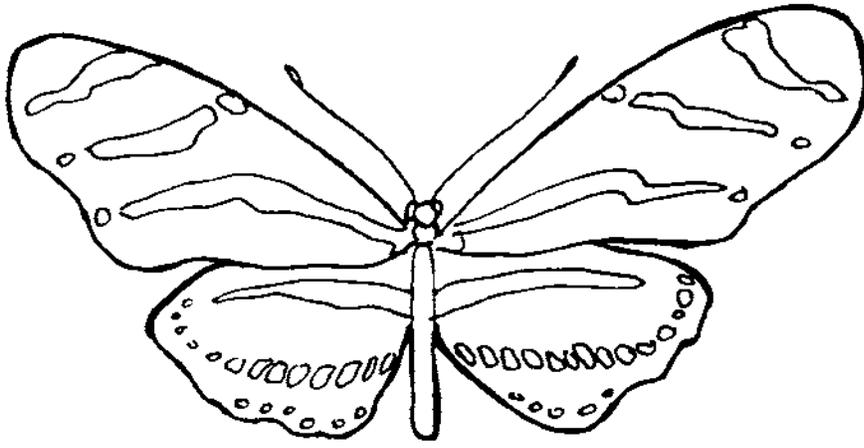
LEOPARD
FROG



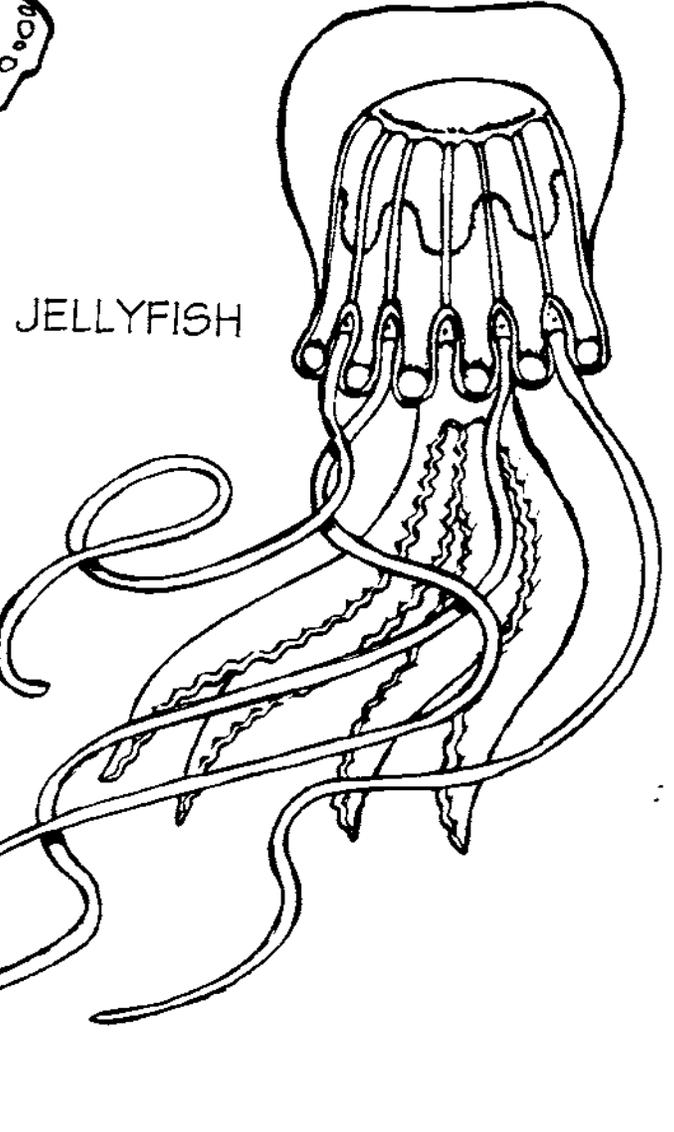
SHRIMP



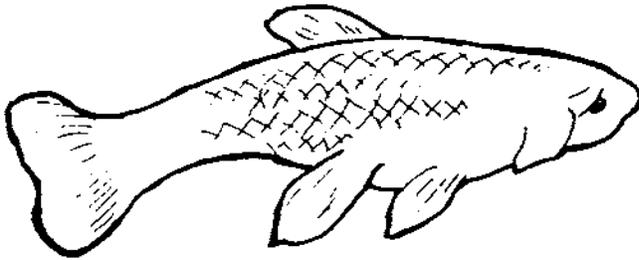
FLORIDA
GAR



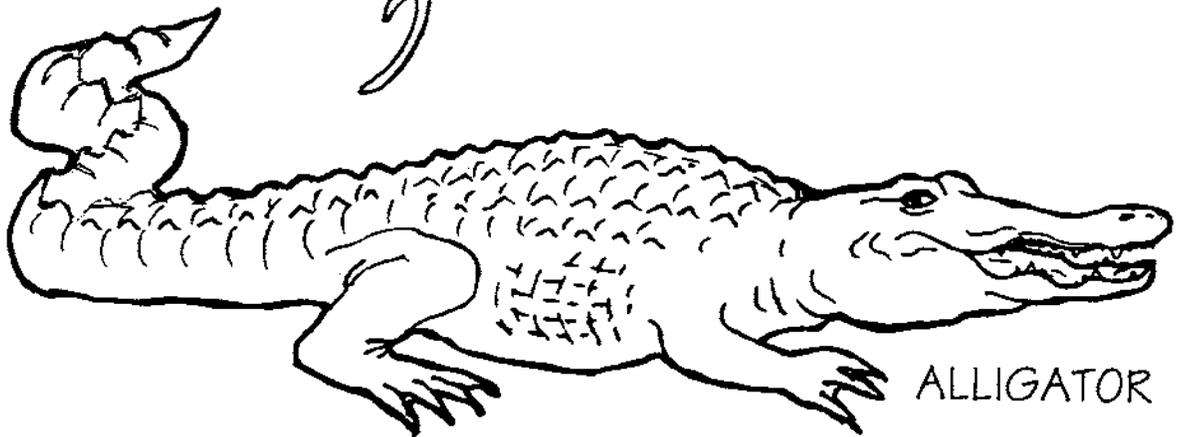
ZEBRA BUTTERFLY



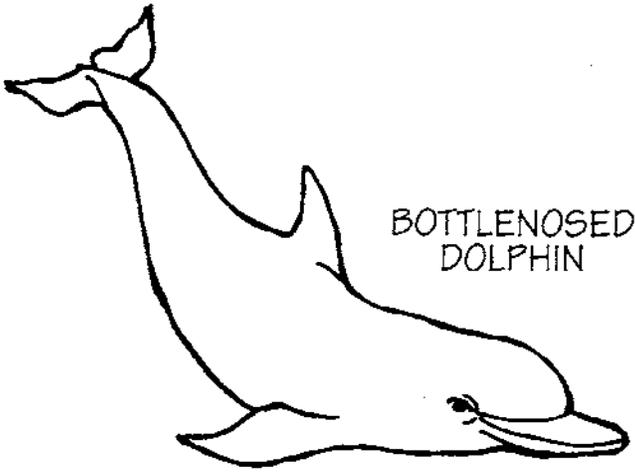
JELLYFISH



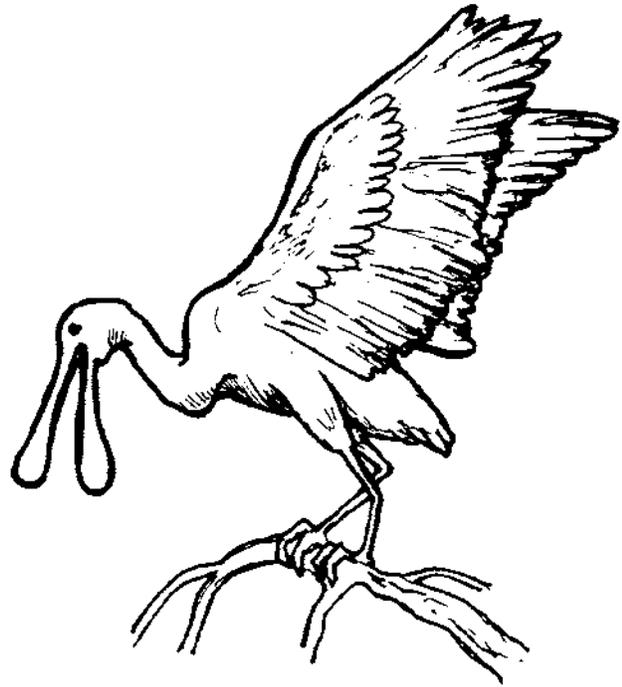
MOSQUITO FISH
(GAMBUSIA)



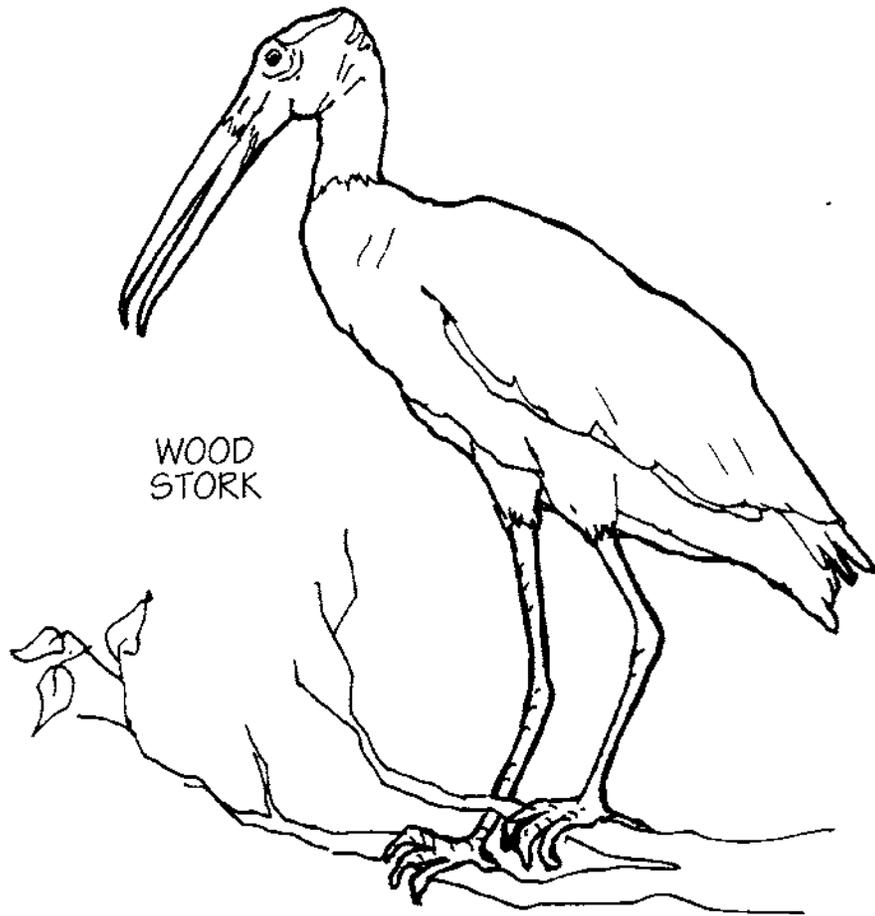
ALLIGATOR



BOTTLENOSED
DOLPHIN



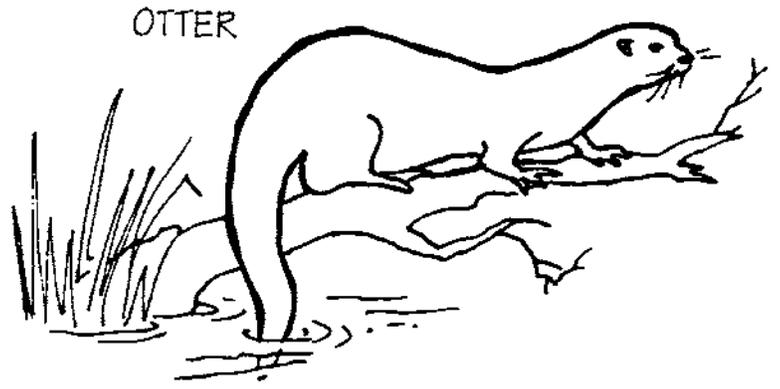
ROSEATE
SPOONBILL



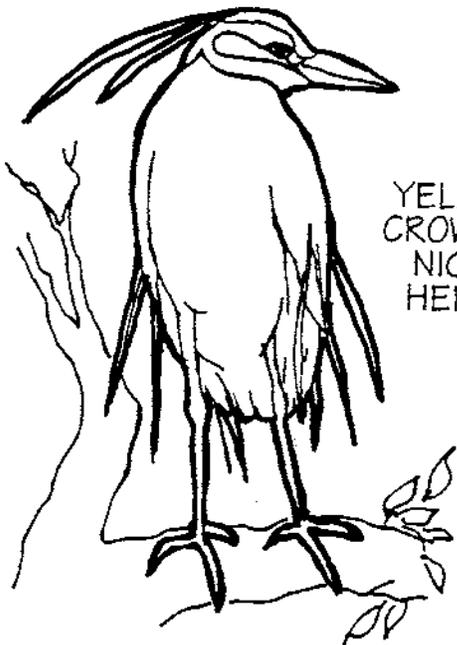
WOOD
STORK



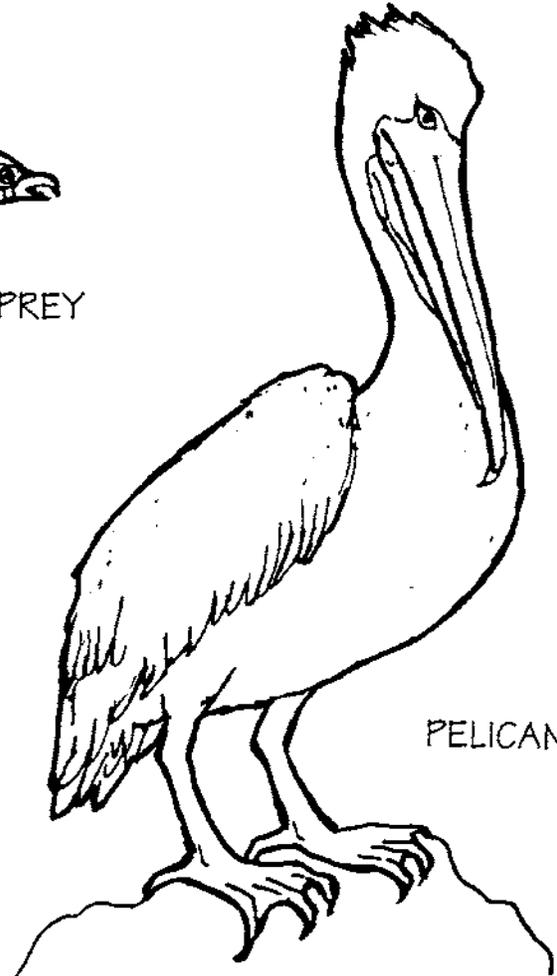
OSPREY



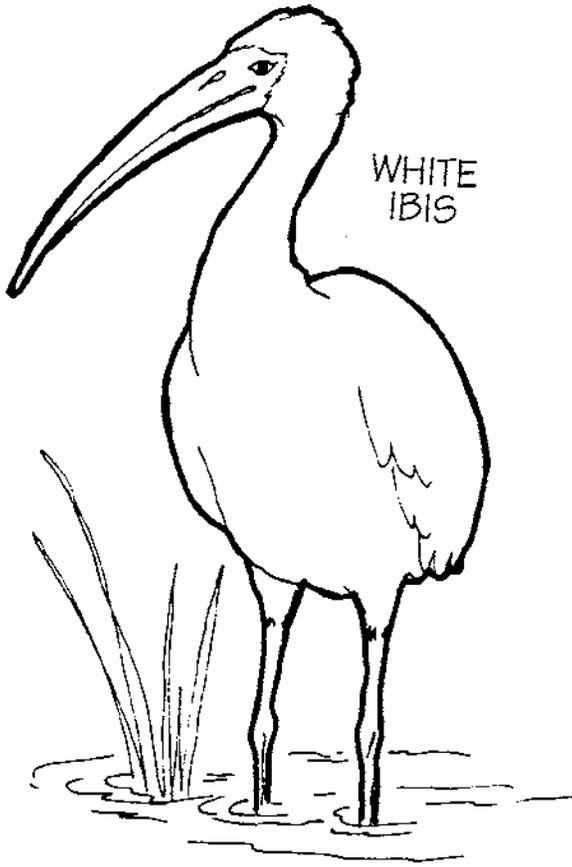
OTTER



YELLOW-CROWNED
NIGHT
HERON



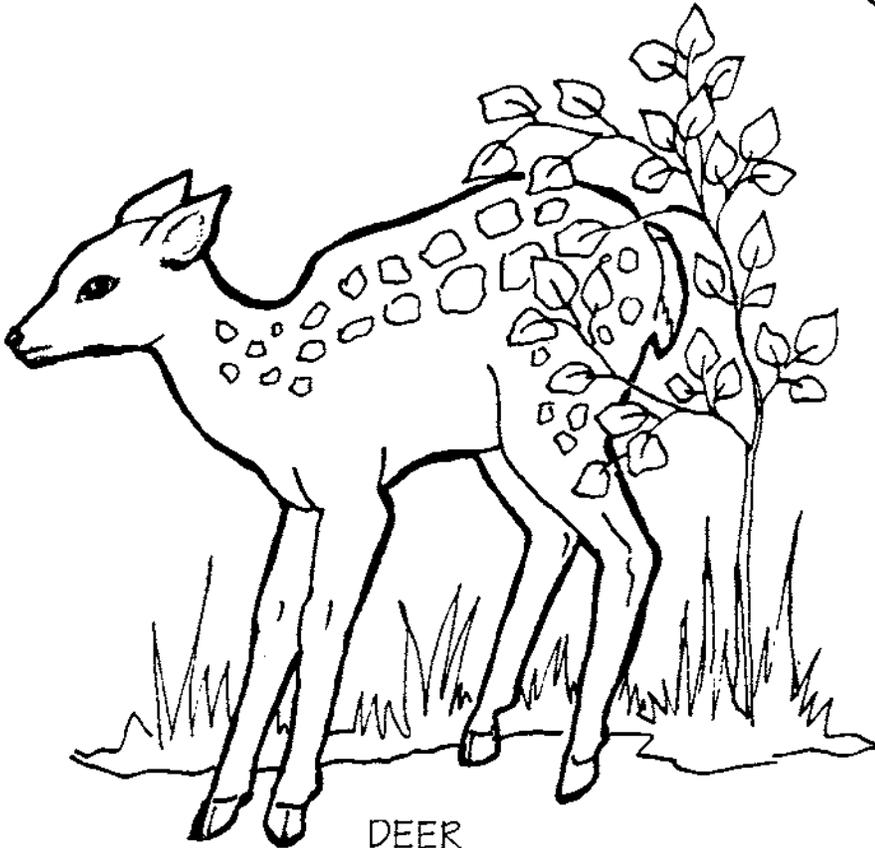
PELICAN



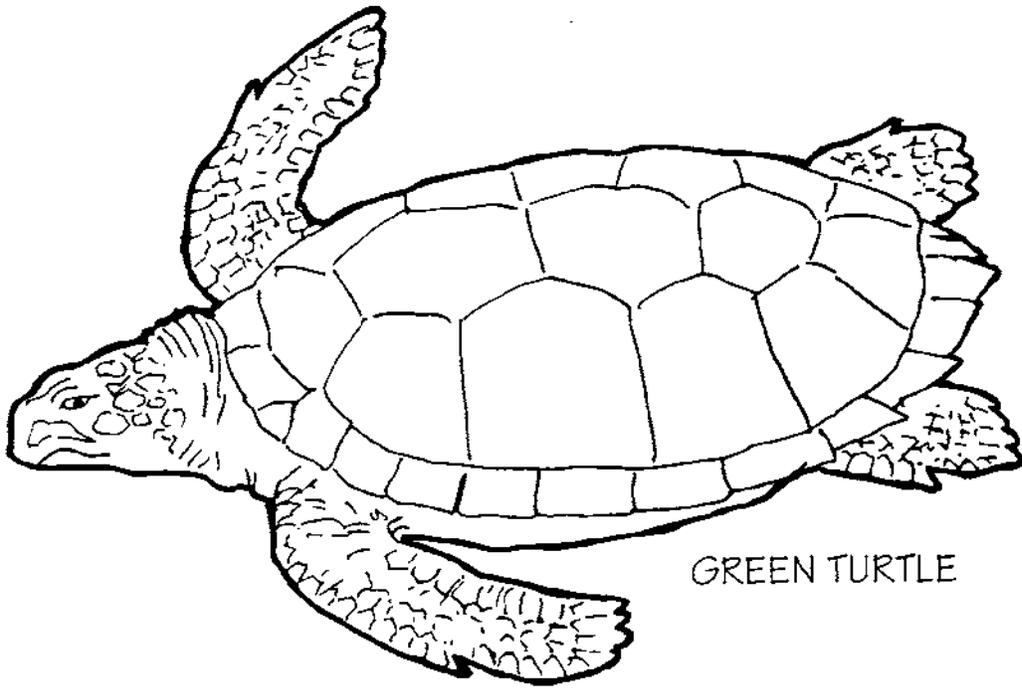
WHITE
IBIS



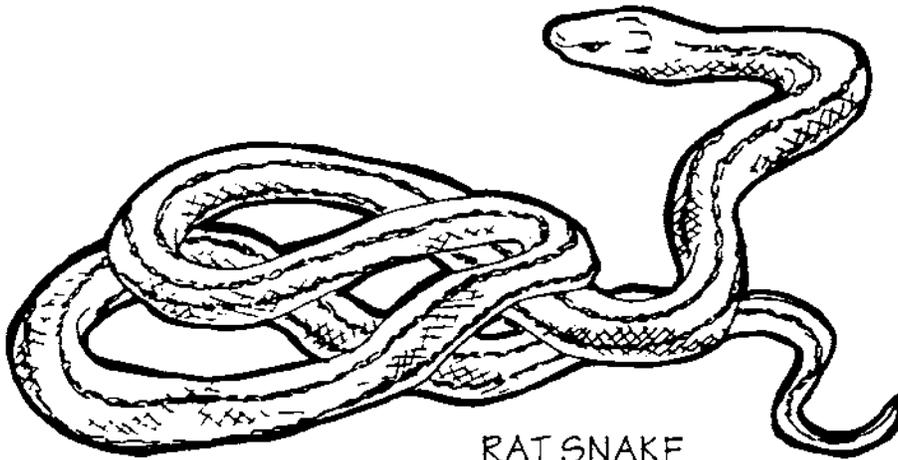
ROUGH
GREEN
SNAKE



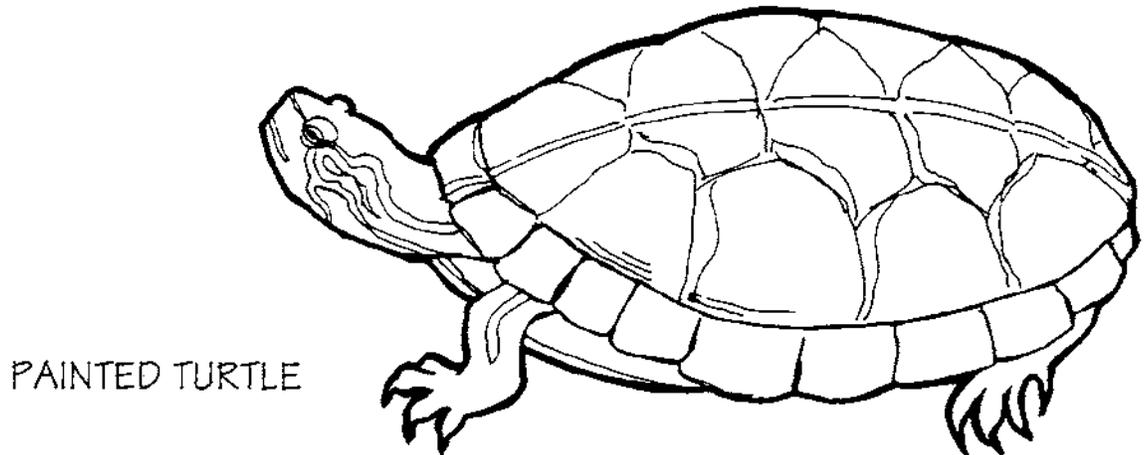
DEER



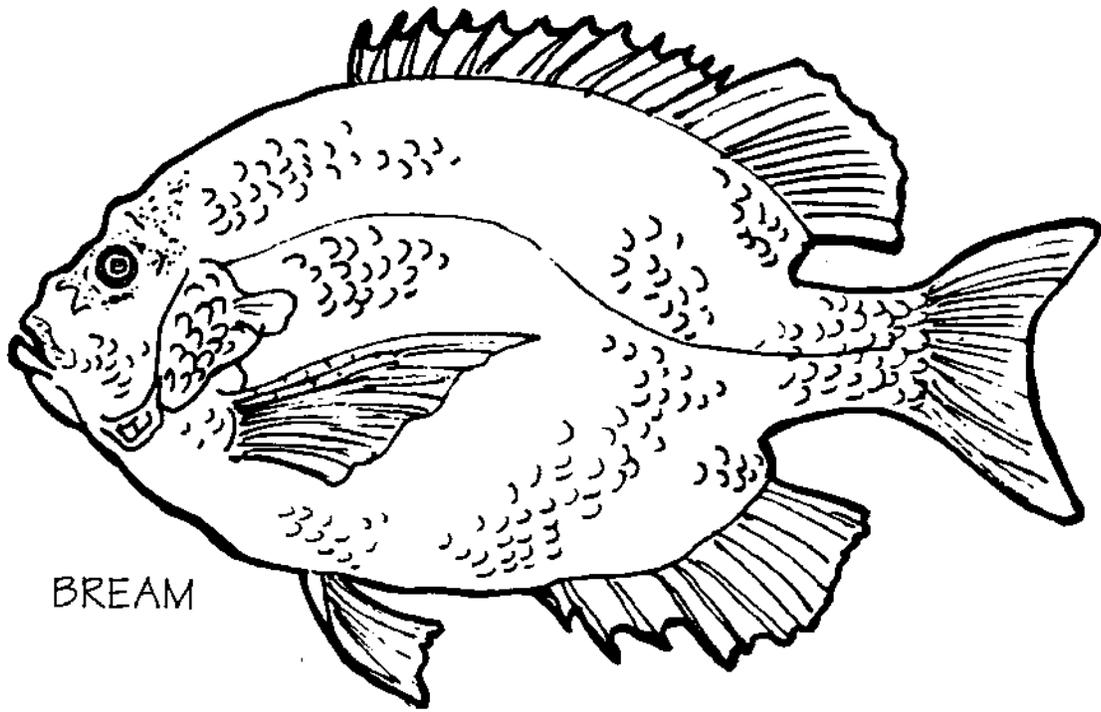
GREEN TURTLE



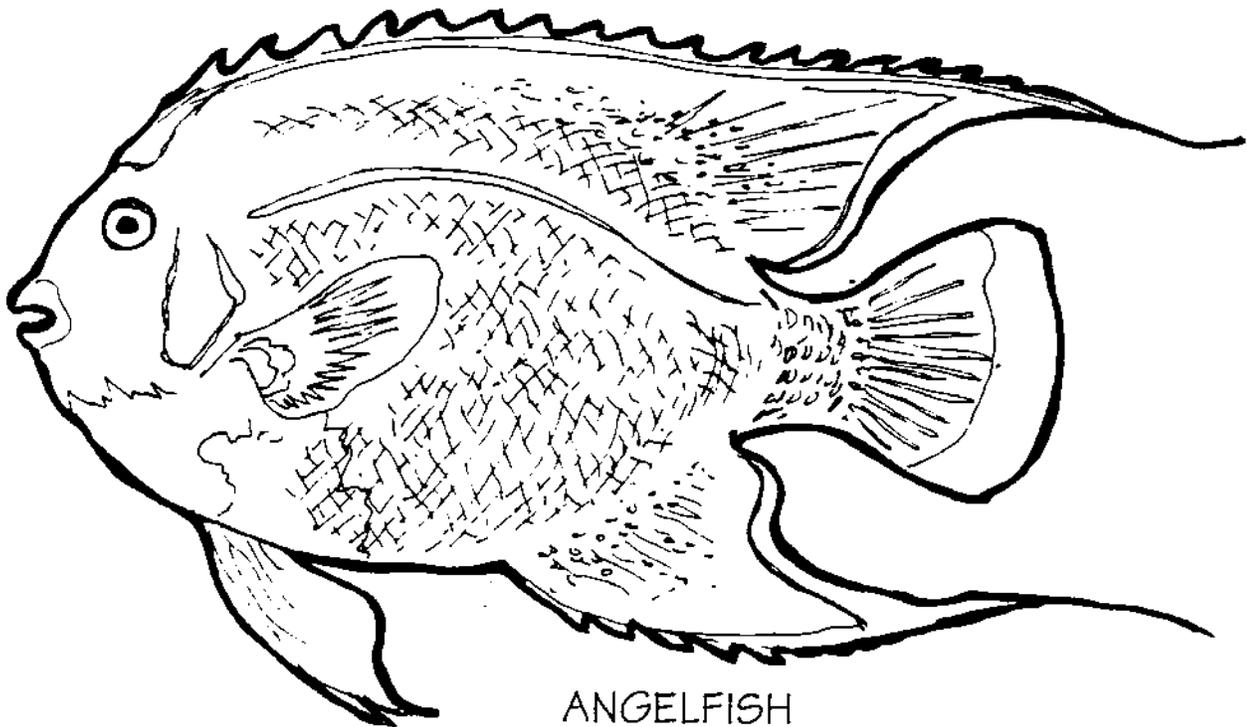
RAT SNAKE



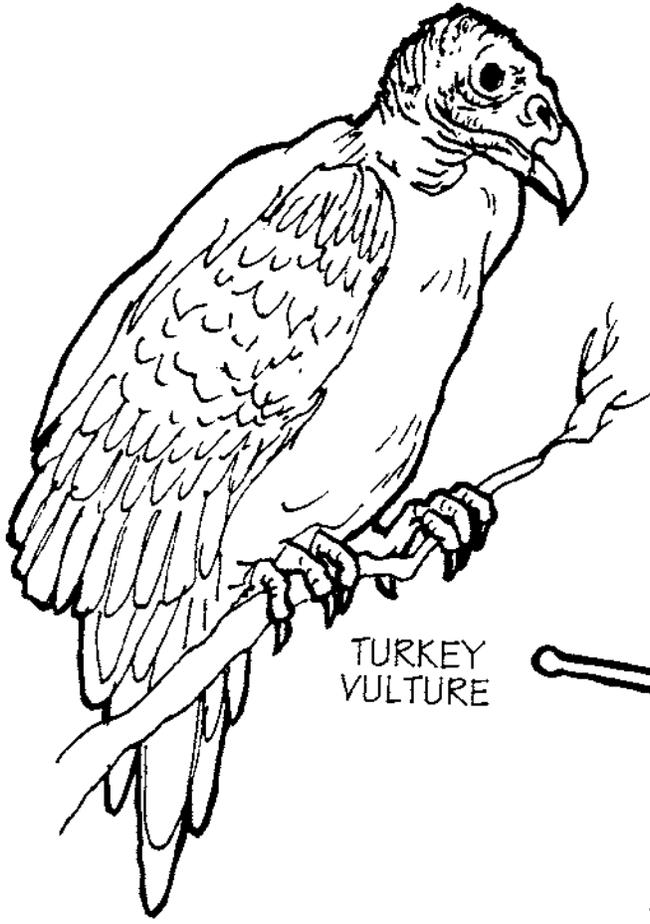
PAINTED TURTLE



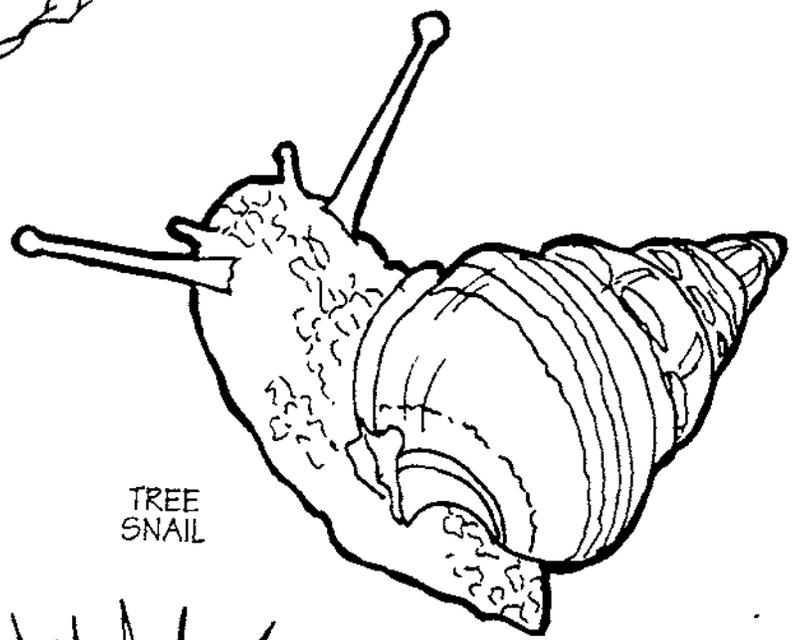
BREAM



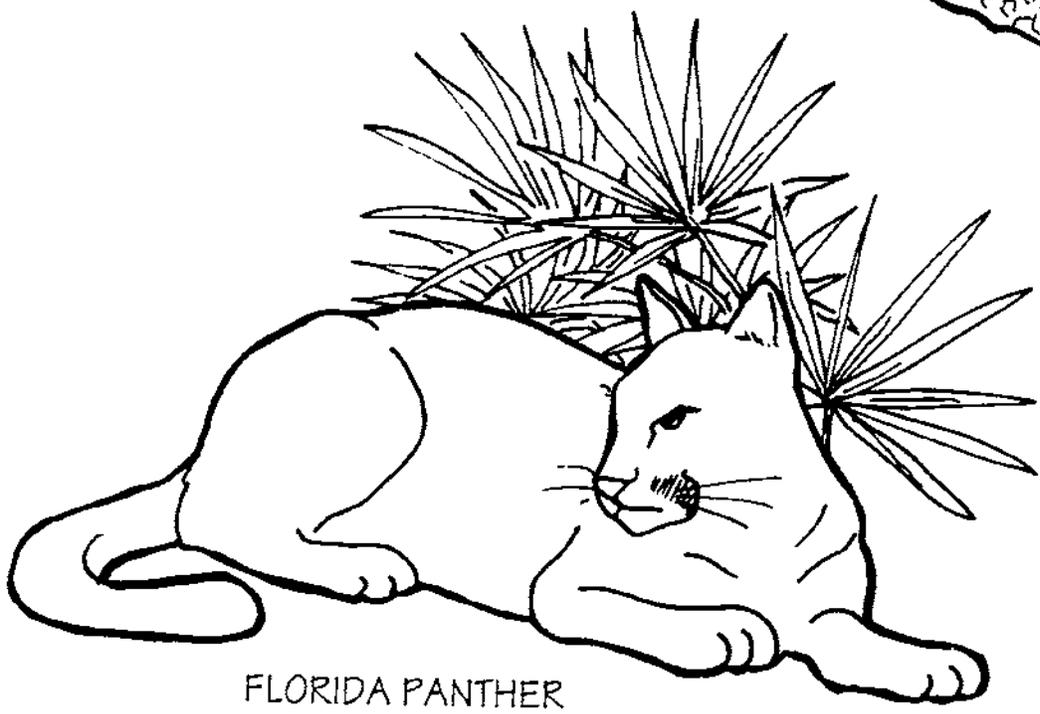
ANGELFISH



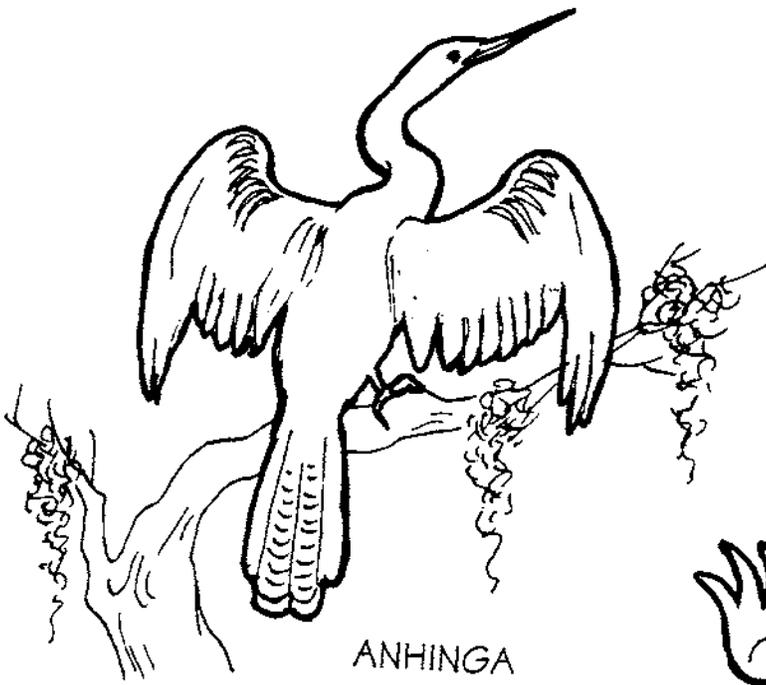
TURKEY
VULTURE



TREE
SNAIL



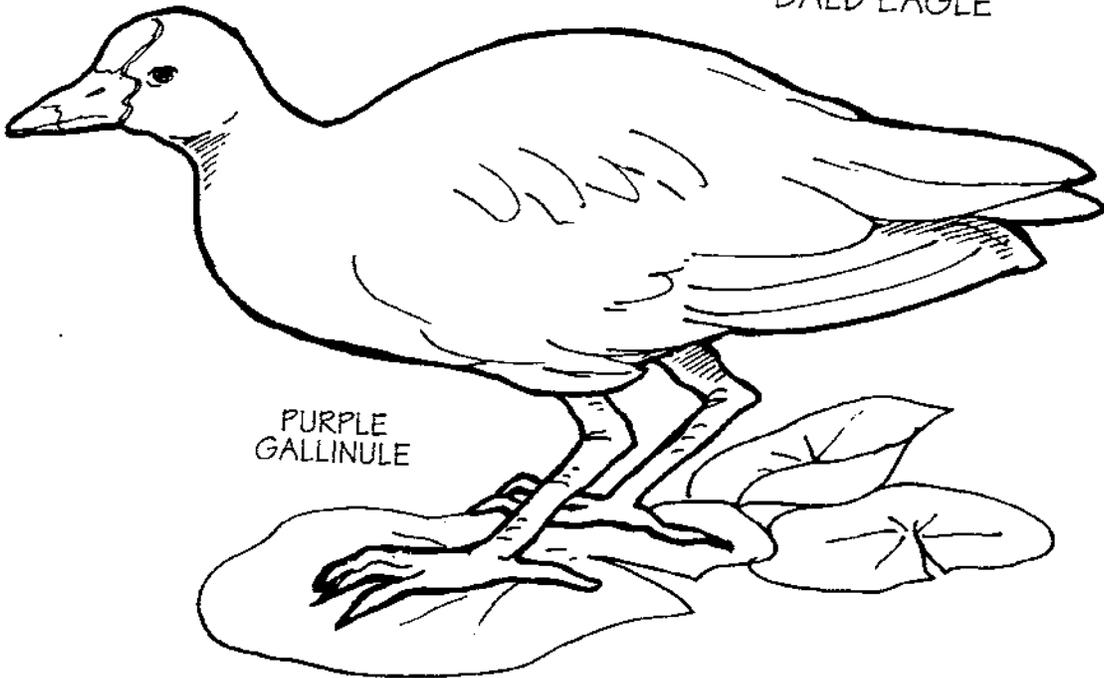
FLORIDA PANTHER



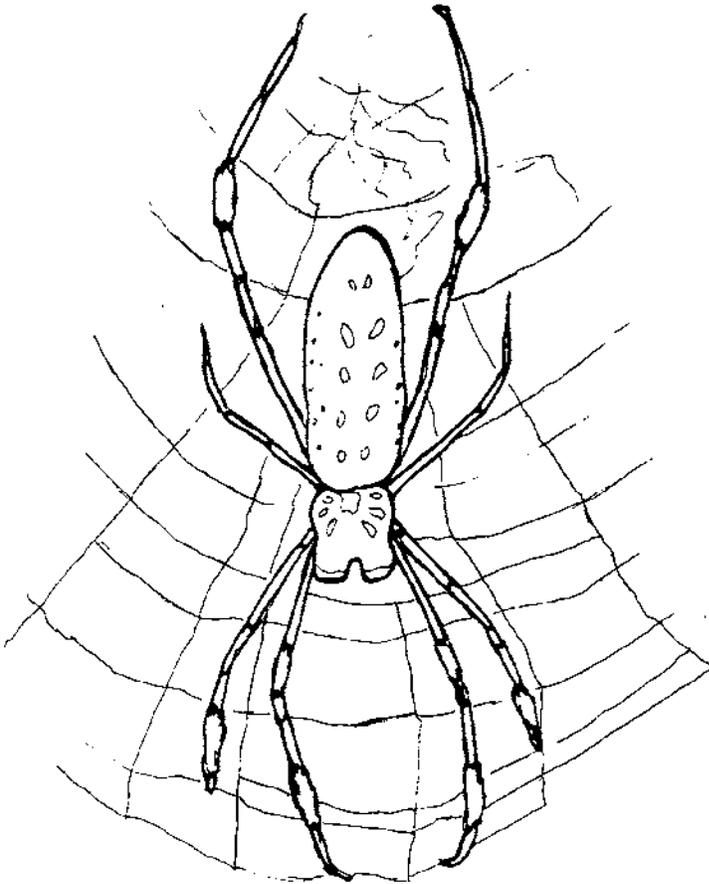
ANHINGA



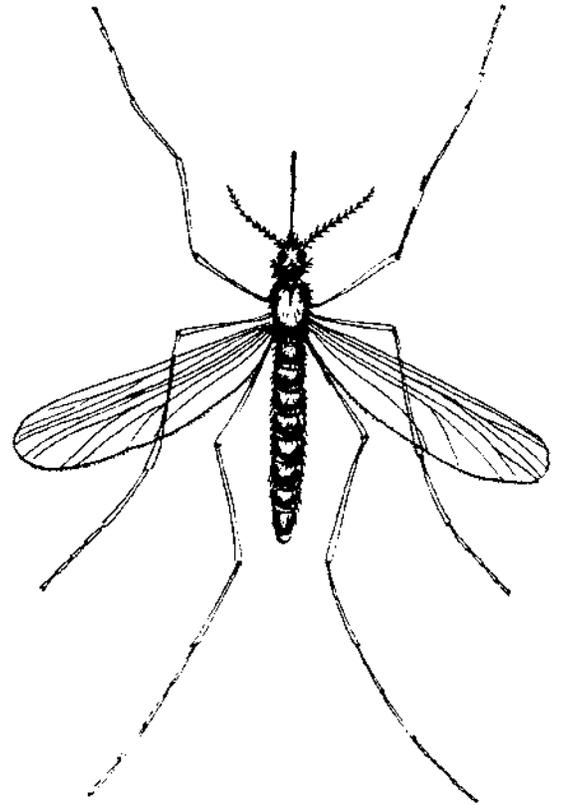
BALD EAGLE



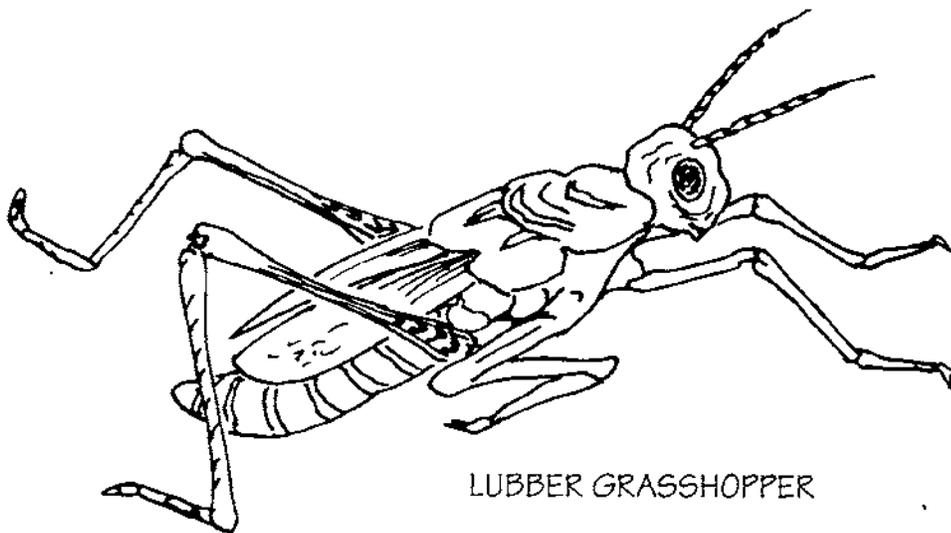
PURPLE
GALLINULE



GOLDEN ORB
SPIDER



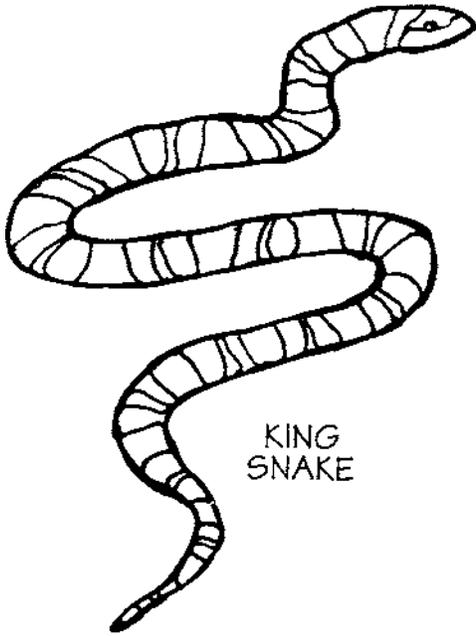
MOSQUITO



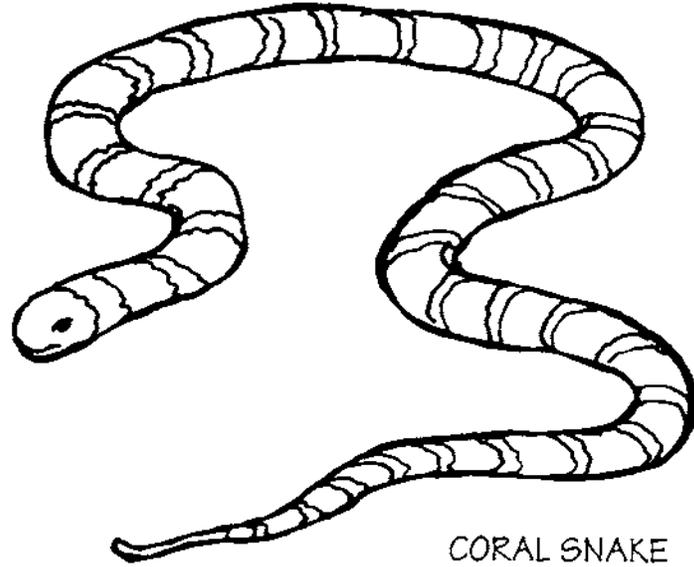
LUBBER GRASSHOPPER



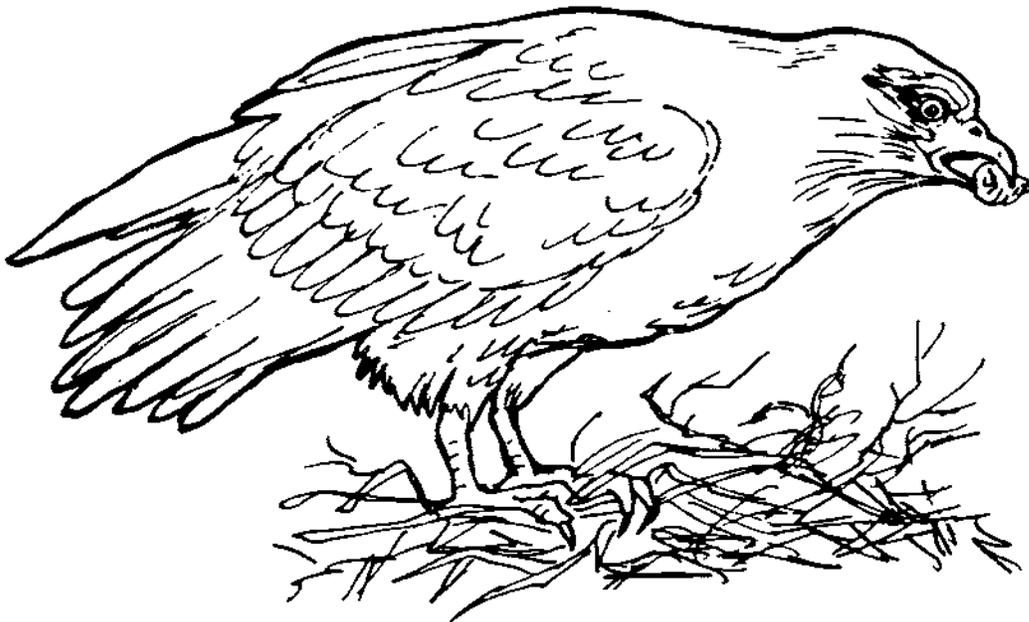
KEY LARGO WOOD RAT



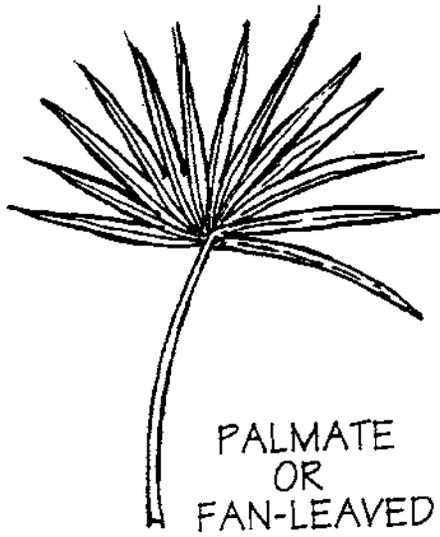
KING
SNAKE



CORAL SNAKE



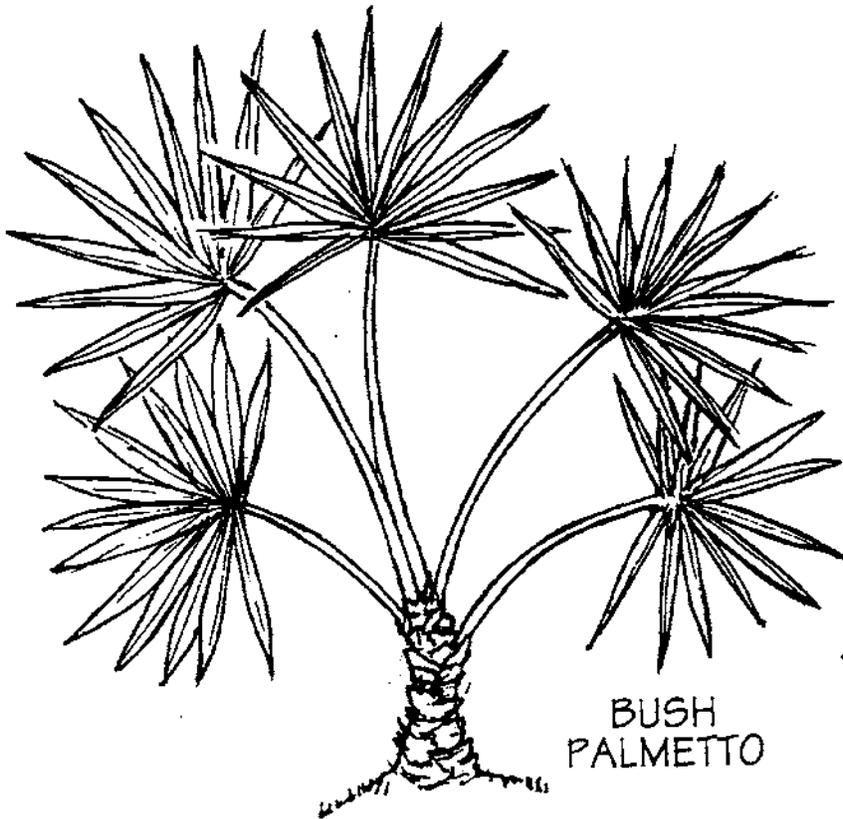
EVERGLADES KITE



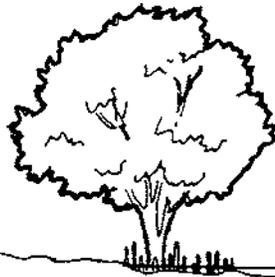
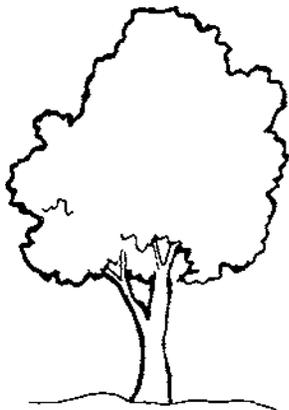
PALMATE
OR
FAN-LEAVED



ROYAL
PALM



BUSH
PALMETTO



MANGROVES

This name is applied to three different trees



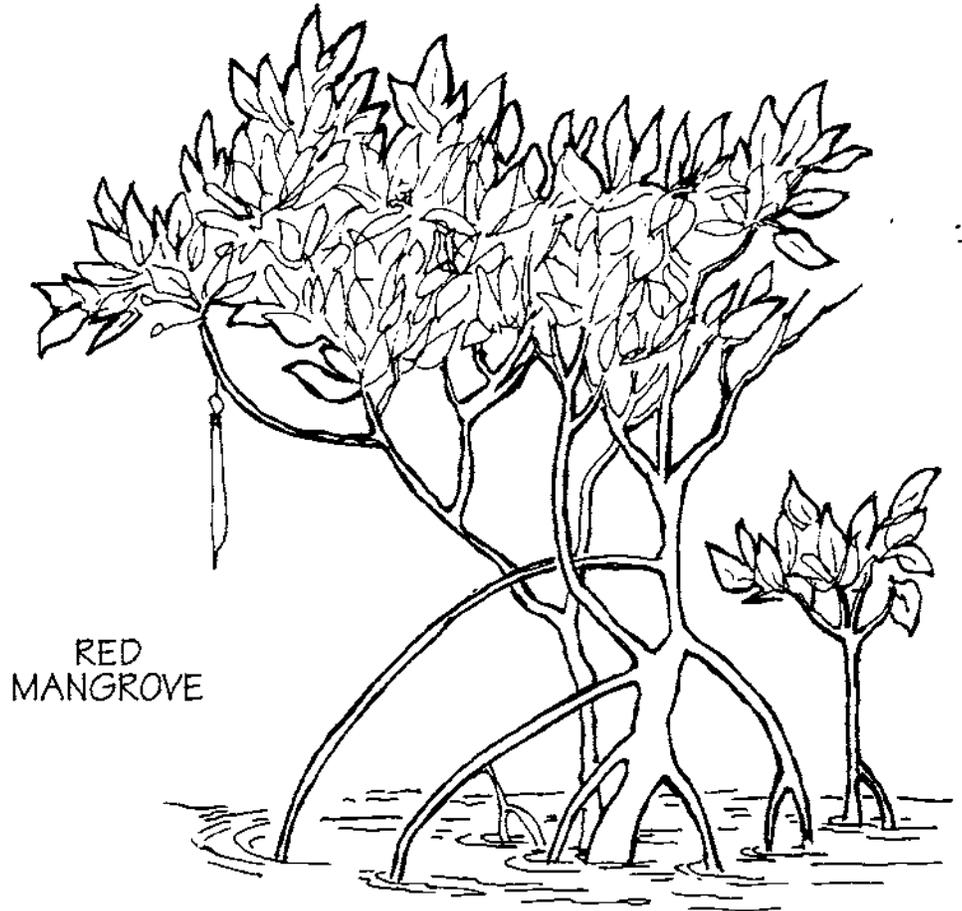
WHITE MANGROVE



BLACK MANGROVE

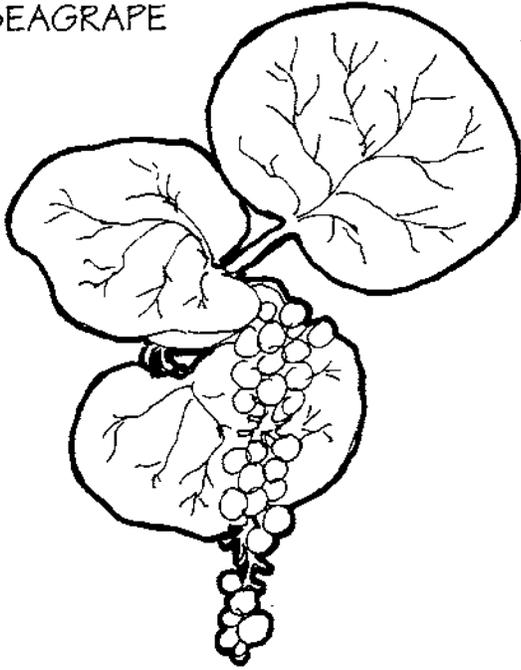


RED MANGROVE

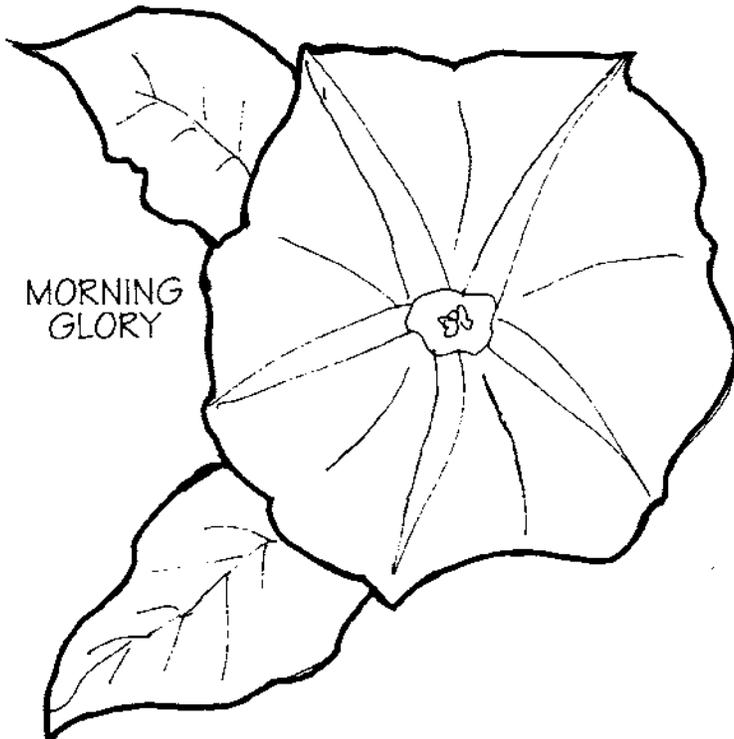


RED MANGROVE

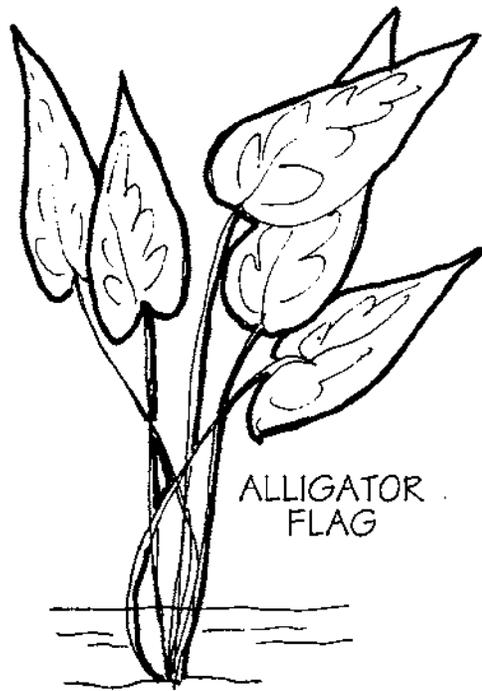
SEAGRAPE



SWAMP
LILY



MORNING
GLORY



ALLIGATOR
FLAG

