FOOD WEBS

OBSERVATION STATIONS

TERMS OF USE

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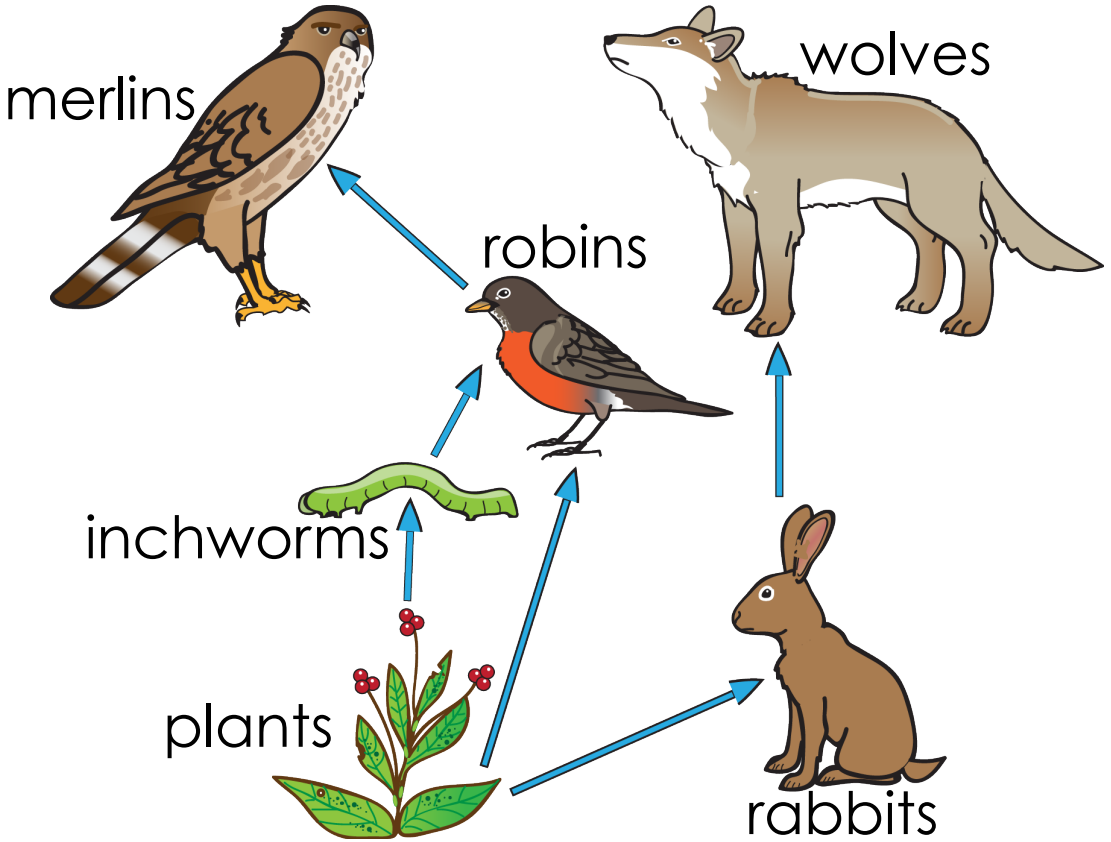
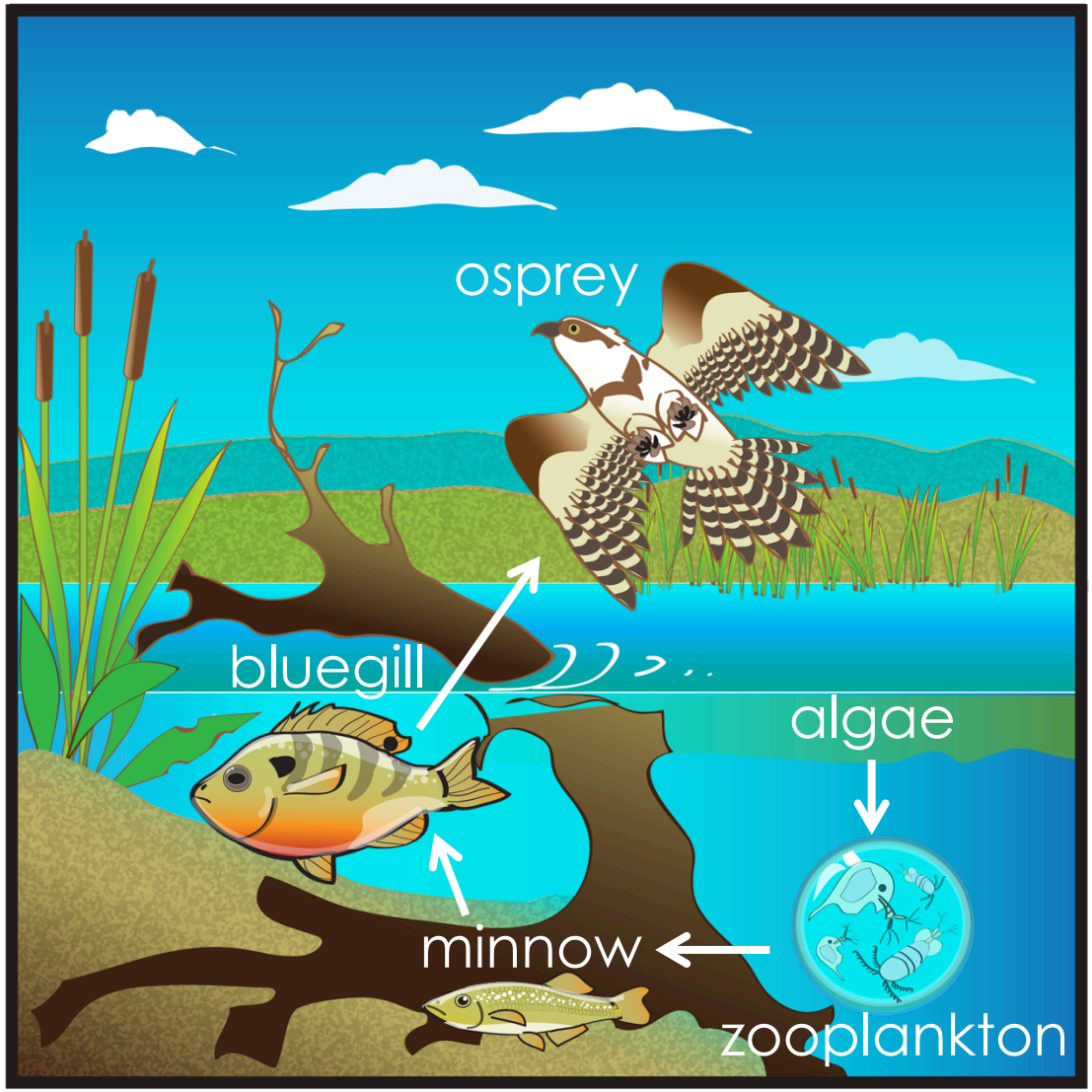
OBSERVATION STATION #1

A partial food web is shown below.



OBSERVATION STATION #2

Pond Ecosystem Food Chain



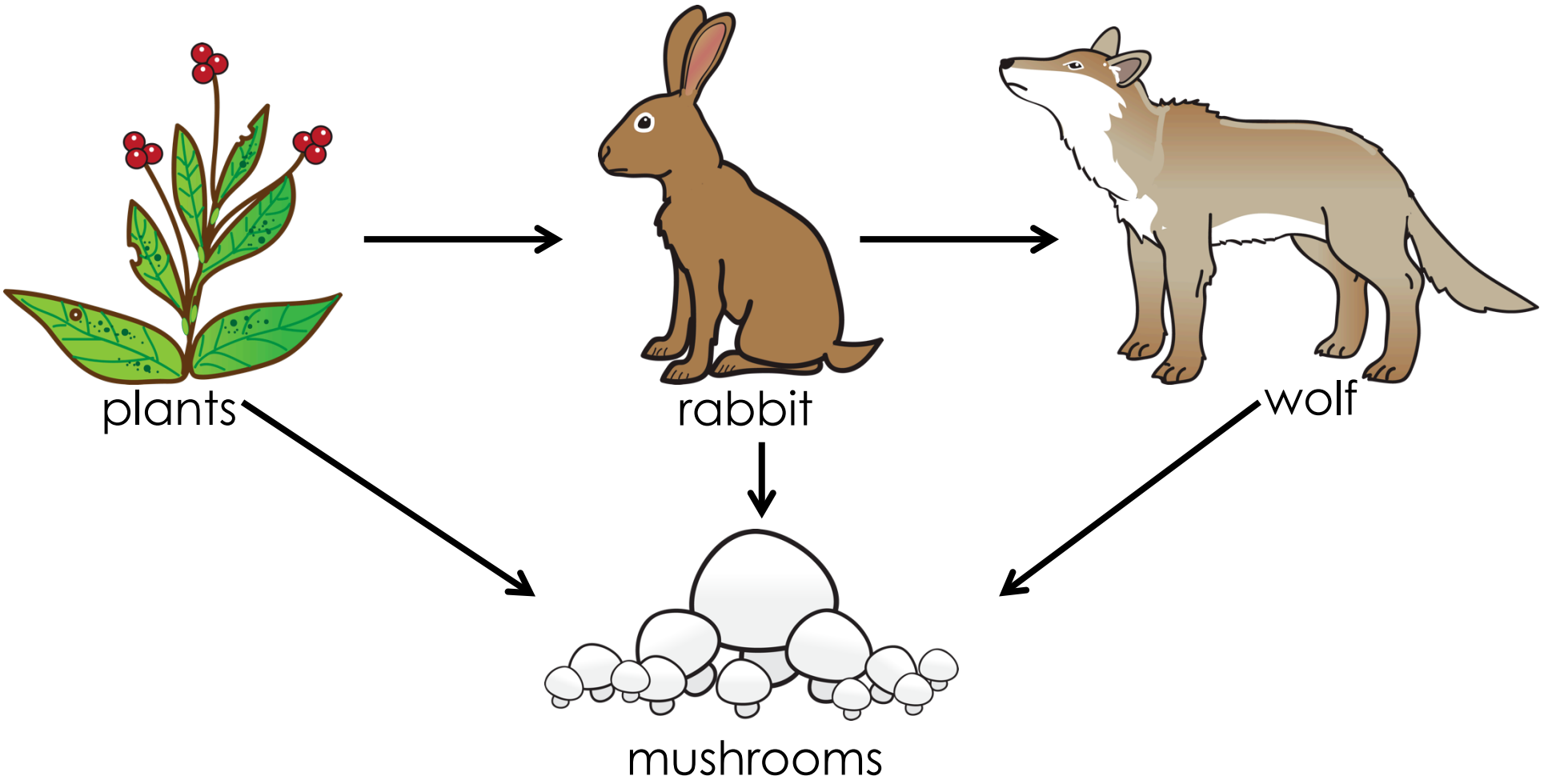
OBSERVATION STATION #3

Temperate Forest Animal Diets

Type of Animal	Foods Eaten
Bird	seeds, berries
Owl	mice, birds
Coyote	birds
Mouse	seeds
Vulture	decomposing animals
Gray Wolf	coyote

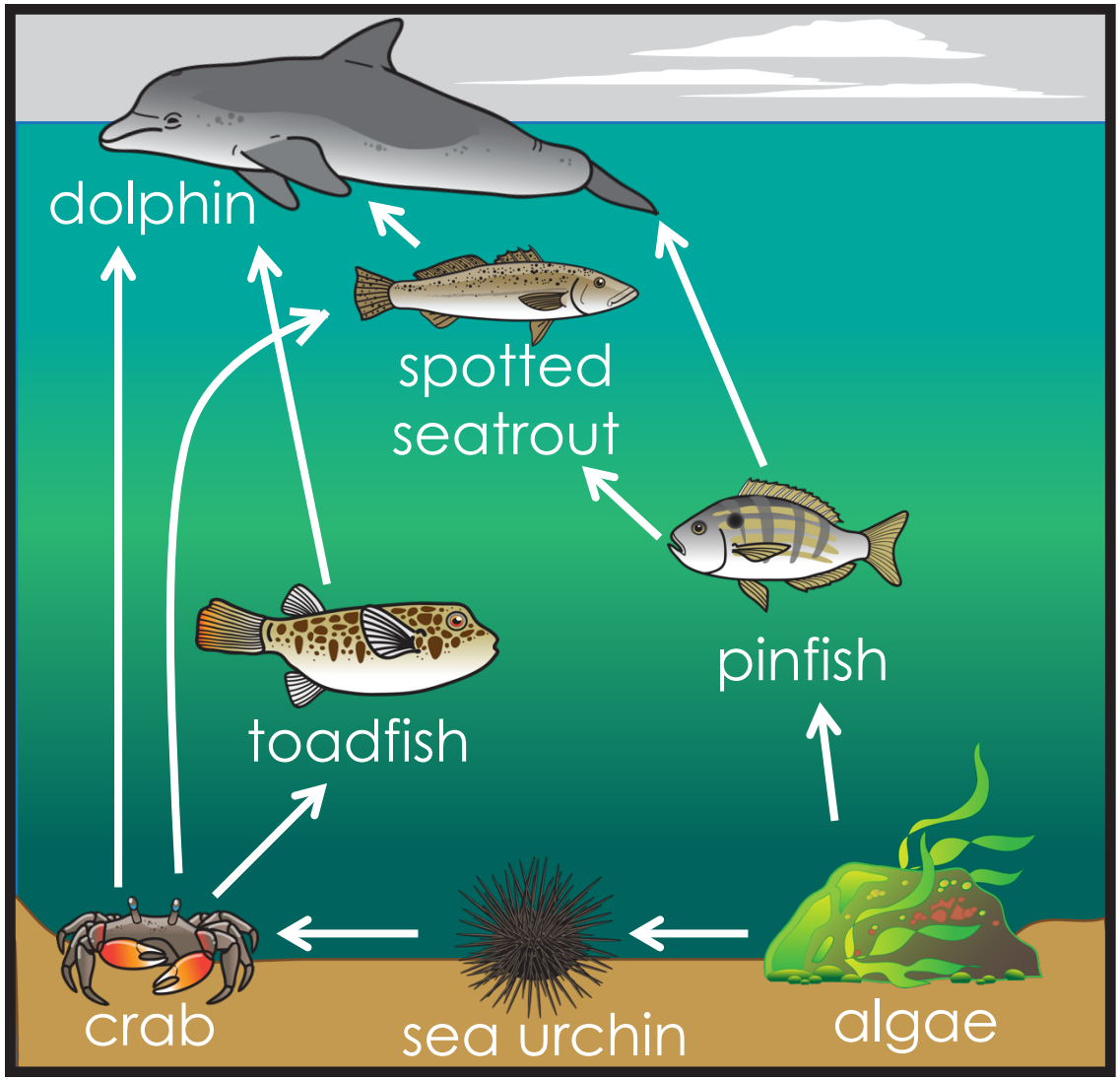
OBSERVATION STATION #4

The flow of energy is shown below.



OBSERVATION STATION #5

Partial Ocean Food Web



OBSERVATION STATION #6

The table below shows the food sources for several types of animals that near a marsh.

Type of Animal	Food Sources
Insects	plants
Water snake	crayfish, frogs
Crayfish	insects, plants
Raccoon	water snakes, crayfish, frogs
Frog	insects, fish
Fish	insects, plants
Coyote	raccoon

OBSERVATION STATIONS: FOOD WEBS

Name _____

STATION 1

1. Which organism shown in the food web transfers the most energy within the food web?

2. What role in an ecosystem is missing from this food web?

3. How would removing robins from this ecosystem most likely affect merlins?

4. In this food web, energy is transferred directly between the wolves and the _____.

STATION 2

1. Complete the table (producer/consumer.)

Organism	Role
Algae	
Zooplankton	
Minnow	
Bluegill	
Osprey	

2. Which organisms in this food chain eat only consumers?

3. In this food web, energy is transferred directly between the algae and the _____.

STATION 3

Based on the information in the table, put a check mark next to the food chains that show a correct flow of energy. Put an X next to food chains that do not show a correct flow of energy.

___ 1. berries → bird → gray wolf

___ 2. seeds → bird → vulture

___ 3. seeds → owl → coyote

___ 4. gray wolf → coyote → mouse

___ 5. berries → bird → owl→ vulture

___ 6. seeds → bird → coyote

OBSERVATION STATIONS: FOOD WEBS

Name _____

STATION 4

Use what you know and the information provided to determine whether the statements are true or false. Put a T next to true statements and an F next to false statements.

___ 1. Energy does **NOT** flow directly from a rabbit to a decomposer.

___ 2. Plants provide energy to consumers.

___ 3. Mushrooms obtain energy from producers and consumers.

___ 4. A mushroom is a predator of a wolf.

___ 5. Rabbits and wolves are consumers.

___ 6. Plants obtain energy from the sun.

STATION 5

1. Use the food web to make a food chain that has 5 organisms.

2. Which organisms only eat producers?

3. What would most likely occur if the producer were removed from this ecosystem?

A. The animals would either die or move to a new location.
B. The number of pinfish would increase.
C. The population of crabs would increase.
D. Sea urchins would become the new producers.

STATION 6

1. Use the table to make a food web on the yellow 1/2 sheet of paper.

2. On your food web, label the organisms as producers (P) or consumers (C).

3. Which consumers are carnivores?

4. What would happen if ALL of the insects disappeared? Name two things.

OBSERVATION STATIONS: FOOD WEBS KEY

STATION 1

1. Which organism shown in the food web transfers the most energy within the food web?

plants because they are producers

2. What role in an ecosystem is missing from this food web?

decomposers

3. How would removing robins from this ecosystem most likely affect merlins?

Removing robins from the food web would most likely result in a decrease in the population of merlins. They would either perish or move away.

4. In this food web, energy is transferred directly between the wolves and the rabbits.

STATION 2

1. Complete the table.

Organism	Role
Algae	producer
Zooplankton	consumer
Minnow	consumer
Bluegill	consumer
Osprey	consumer

2. Which organisms in this food chain eat only consumers?

minnow, bluegill, osprey

3. In this food web, energy is transferred directly between the algae and the zooplankton.

STATION 3

Based on the information in the table, put a check mark next to the food chains that show a correct flow of energy. Put an X next to food chains that do not show a correct flow of energy.

✗ 1. berries → bird → gray wolf

✓ 2. seeds → bird → vulture

✗ 3. seeds → owl → coyote

✗ 4. gray wolf → coyote → mouse

✓ 5. berries → bird → owl→ vulture

✓ 6. seeds → bird → coyote

OBSERVATION STATIONS: FOOD WEBS KEY

STATION 4

Use what you know and the information provided to determine whether the statements are true or false. Put a T next to true statements and an F next to false statements.

F 1. Energy does **NOT** flow directly from a rabbit to a decomposer.

T 2. Plants provide energy to consumers.

T 3. Mushrooms obtain energy from producers and consumers.

F 4. A mushroom is a predator of a wolf.

T 5. Rabbits and wolves are consumers.

T 6. Plants obtain energy from the sun.

STATION 5

1. Use the food web to make a food chain that has 5 organisms.

algae → sea urchin → crab → toadfish → dolphin
OR
algae → sea urchin → crab → spotted seatrout → dolphin

2. Which organisms only eat producers?

sea urchin and pinfish

3. What would most likely occur if the producer were removed from this ecosystem?

(A.) The animals would either die or move to a new location.
B. The number of pinfish would increase.
C. The population of crabs would increase.
D. Sea urchins would become the new producers.

STATION 6

1. Use the table to make a food web on the yellow 1/2 sheet of paper.

2. On your food web, label the organisms as producers (P) or consumers (C).

3. Which consumers are carnivores? **frog, snake, raccoon, coyote**

4. What would happen if ALL of the insects disappeared?

Name TWO things.

frog population would decrease

fish population would decrease.

plant population would increase

and many other answers are possible.

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