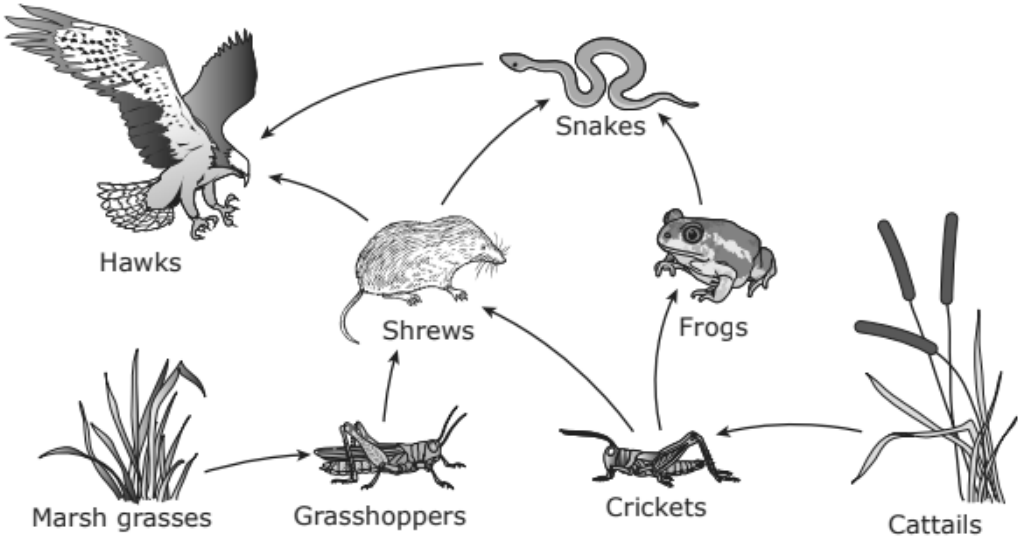
8 A partial wetland food web is shown.



Which statement correctly describes the transfer of energy in a food chain in this wetland?

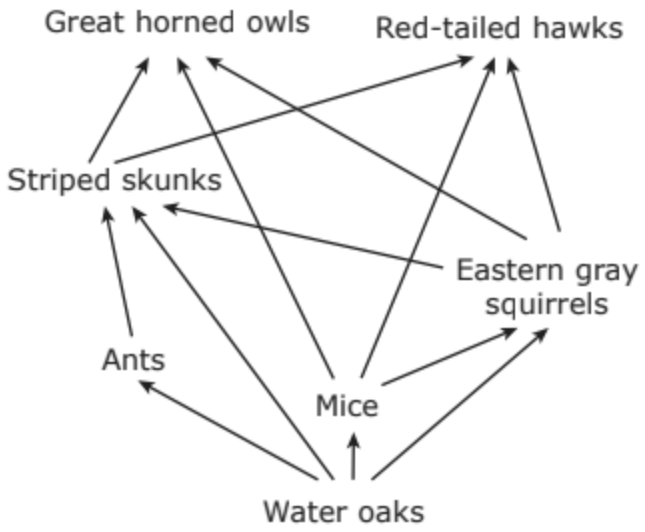
F Energy is transferred from hawks to shrews to grasshoppers to marsh grasses.

G Energy is transferred from marsh grasses to crickets to hawks to frogs.

H Energy is transferred from grasshoppers to crickets to frogs to hawks.

J Energy is transferred from cattails to crickets to shrews to hawks.

27 A partial food web from the Texas Piney Woods is shown.



How many types of organisms in this food web obtain energy directly from producers?

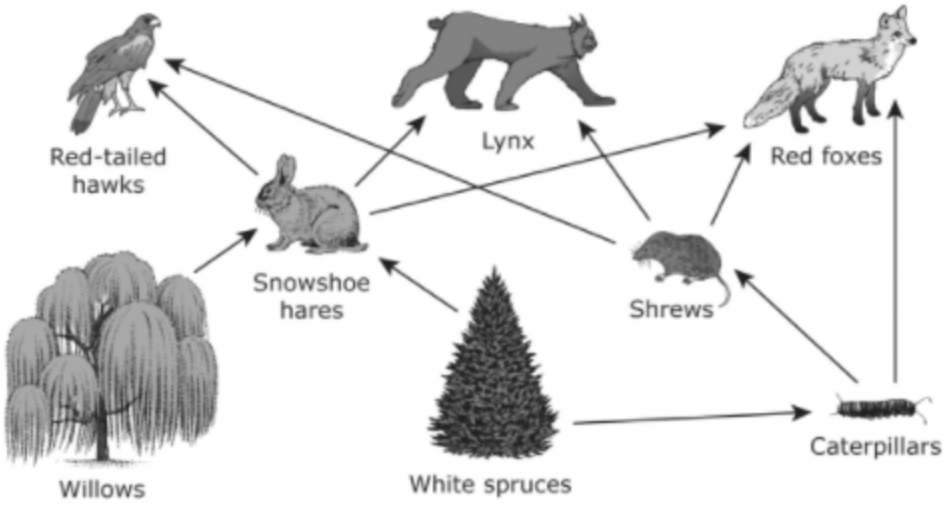
A Two

B Three

C Four

D Five

10 A partial forest food web is shown.



Which list contains only animals that receive energy transferred directly from consumers in this food web?

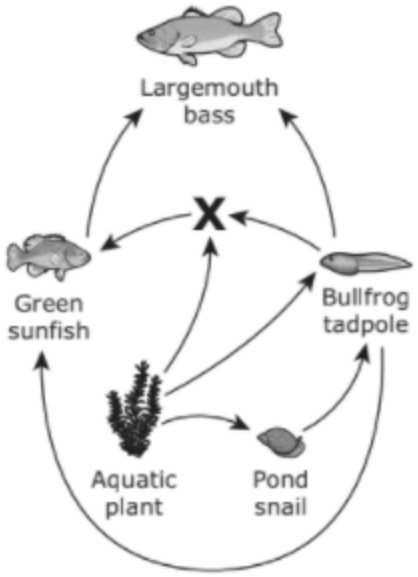
F Red-tailed hawks, snowshoe hares, and caterpillars

G Snowshoe hares and caterpillars

H Snowshoe hares and shrews

J Shrews and red foxes

21 A student makes a partial Texas aquatic food web as shown.



Which type of organism should replace the X in the food web?

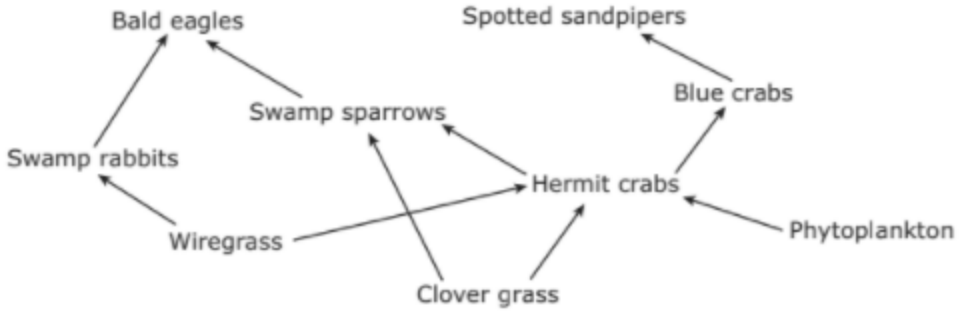
A An omnivore

B An herbivore

C A carnivore

D A producer

9 Students researching the relationships between some organisms in the Lavaca Bay ecosystem in Texas made this partial food web.



Which of these lists contains only organisms that receive some of their energy directly from other organisms that produce their own food?

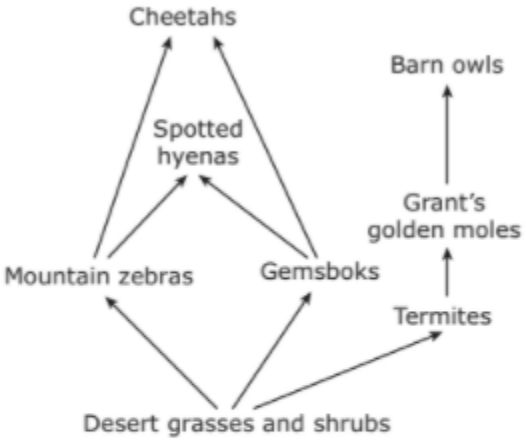
A Bald eagles and spotted sandpipers

B Swamp rabbits, hermit crabs, and swamp sparrows

C Phytoplankton, hermit crabs, and blue crabs

D Wiregrass, clover grass, and phytoplankton

19 A partial desert food web is shown.



Which food chain shows one complete pathway in which energy flows through this food web?

A Desert grasses and shrubs ⟶ termites ⟶ barn owls

B Desert grasses and shrubs ⟶ mountain zebras ⟶ cheetahs

C Desert grasses and shrubs ⟶ termites ⟶ spotted hyenas

D Desert grasses and shrubs ⟶ gemsboks ⟶ Grant's golden moles

22 Big Bend National Park is located in the part of the Chihuahuan Desert that is in southwestern Texas. The table below lists some of the types of animals that live in Big Bend and what they eat.

Animals in Big Bend

Type of Animal	Food Sources
Ornate box turtle	Insects, dead animals, cacti
Roadrunner	Scorpions, lizards, rattlesnakes, mice
Rock squirrel	Grasses, mesquite beans, juniper berries
Turkey vulture	Decomposing animals
Western rattlesnake	Rabbits, mice, rats, birds, rock squirrels

Based on the information in the table, which of the following food chains shows one way energy flows in the Big Bend ecosystem?

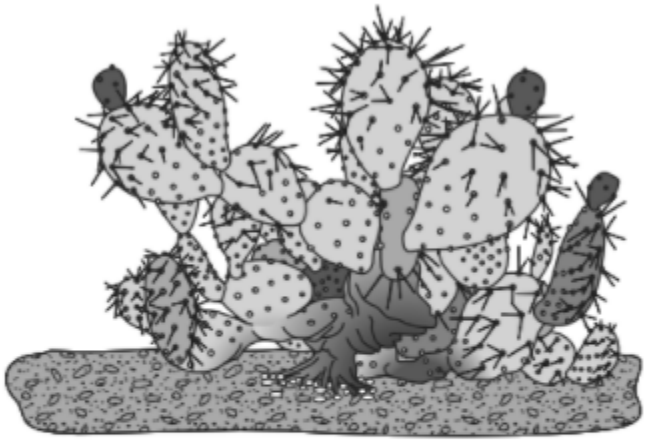
F Juniper berries ⟶ ornate box turtles ⟶ roadrunners ⟶ rock squirrels

G Grasses ⟶ rock squirrels ⟶ roadrunners

H Cacti ⟶ ornate box turtles ⟶ turkey vultures

J Mesquite beans ⟶ turkey vultures ⟶ roadrunners ⟶ western rattlesnakes

5 Many desert animals depend on the prickly pear cactus.



What role does the prickly pear cactus play in a desert food web?

A It obtains energy from producers.

B It returns nutrients to the soil.

C It preys upon other organisms.

D It provides energy to consumers.

9 Which table shows the correct role of each organism in the food chain below?

Algae ⟶ shrimp ⟶ arctic cod ⟶ ringed seals ⟶ polar bears

A

Organism	Role
Algae	Producers
Shrimp	Consumers
Arctic cod	Consumers
Ringed seals	Consumers
Polar bears	Consumers

C

Organism	Role
Algae	Producers
Shrimp	Producers
Arctic cod	Consumers
Ringed seals	Consumers
Polar bears	Consumers

B

Organism	Role
Algae	Decomposers
Shrimp	Producers
Arctic cod	Producers
Ringed seals	Producers
Polar bears	Consumers

D

Organism	Role
Algae	Producers
Shrimp	Decomposers
Arctic cod	Decomposers
Ringed seals	Decomposers
Polar bears	Consumers

28 In a food chain, energy does **NOT** flow directly from —

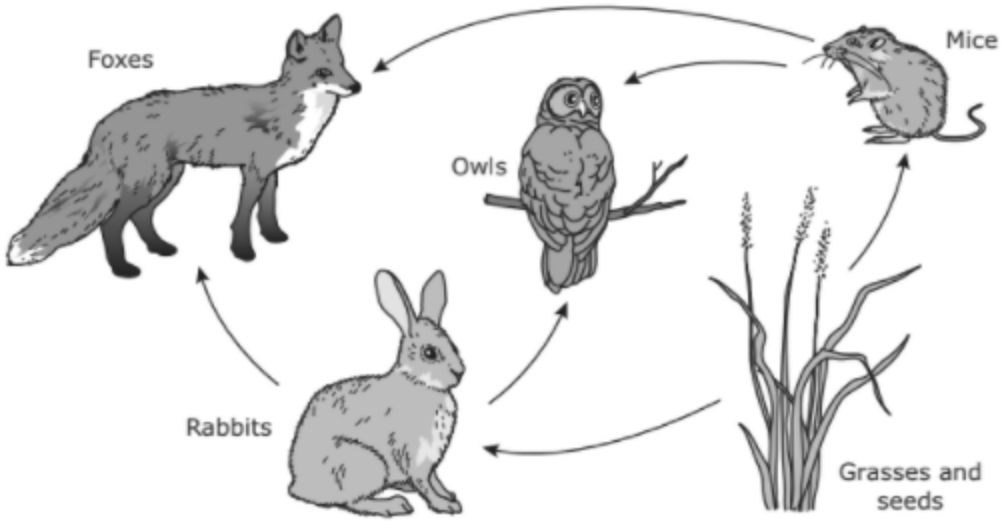
F producer to decomposer

G producer to consumer

H consumer to decomposer

J consumer to producer

37 The food web below is made up of organisms that live in a forest.



Which change would most likely occur if all the producers in this ecosystem were removed?

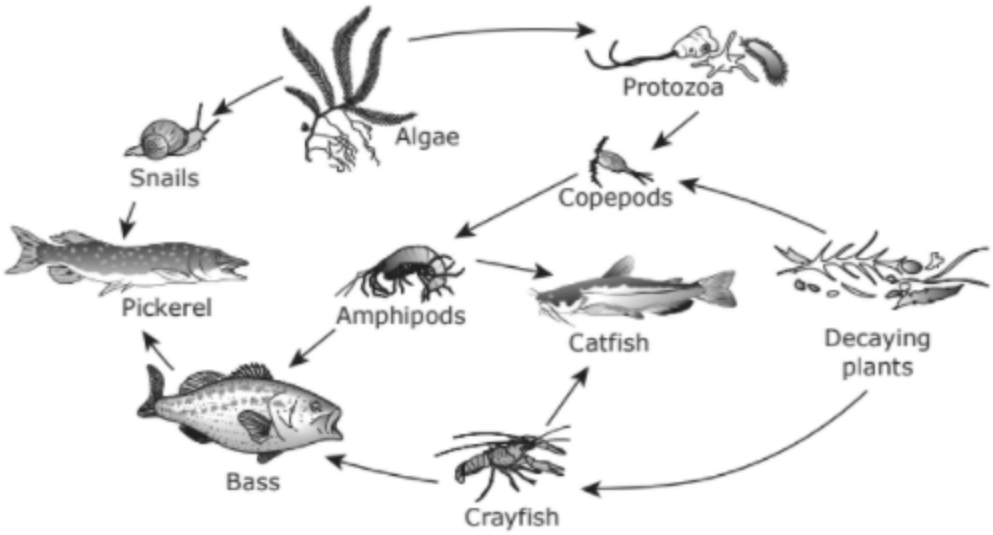
A The mice would become the new producers.

B All the animals would either die or move away.

C The number of mice would increase.

D All the animal populations would increase.

17 A freshwater ecosystem has various food webs. One of these food webs is shown below.



Which organisms transfer the most energy within the food web?

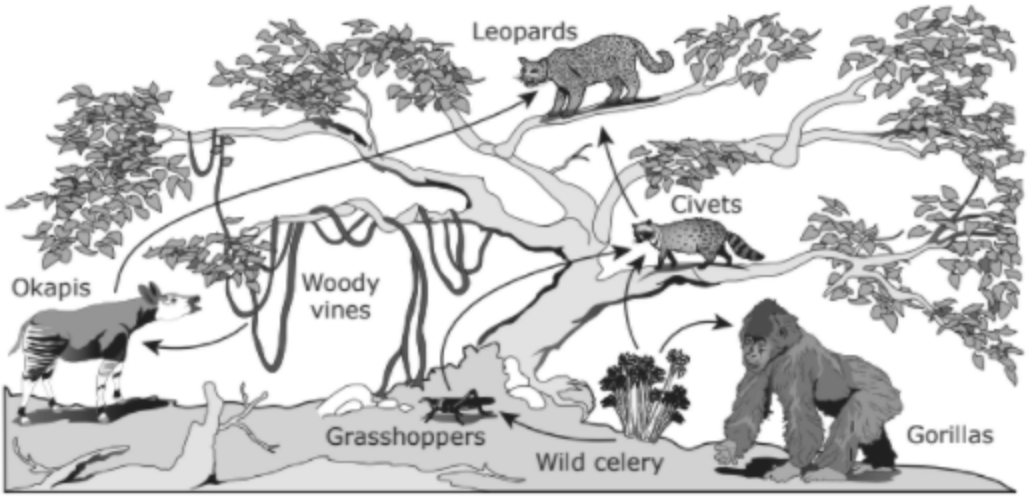
A Bass, because they are predators in this web

B Copepods, because they support two chains in this web

C Crayfish, because they are at the bottom of this web

D Algae, because they are the producers in this web

32 A food web for some organisms in an African rain forest is shown below.



Which organisms in this food web eat only consumers?

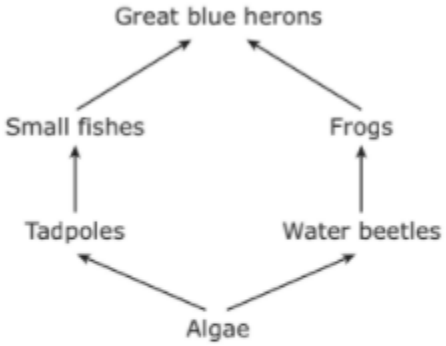
F Okapis

G Civets

H Leopards

J Gorillas

4 A partial food web of a pond ecosystem is shown below.



Which type of organism is missing from this food web?

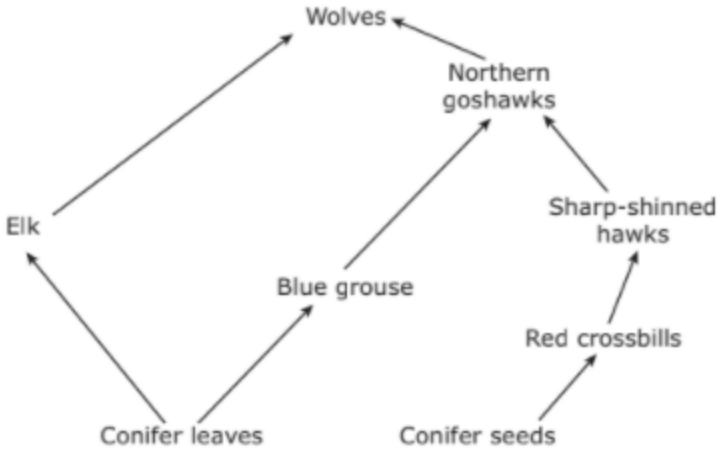
F Decomposers

G Producers

H Predators

J Consumers

37 A partial forest food web is shown.



In this food web, energy is transferred directly between —

A conifer seeds and red crossbills

B conifer leaves and northern goshawks

C blue grouse and wolves

D elk and sharp-shinned hawks

27 The diets of several types of prairie animals are described in the table below.

Diets of Some Prairie Animals

Type of Animal	Foods Eaten
Badger	Prairie dogs, rabbits
Prairie dog	Leaves, stems, and roots of grasses
Grasshopper	Grasses, wildflowers
Sparrow	Insects, seeds
Coyote	Prairie dogs, rabbits
Eagle	Prairie dogs, rabbits, coyotes

Which of the following prairie food chains is in the correct order?

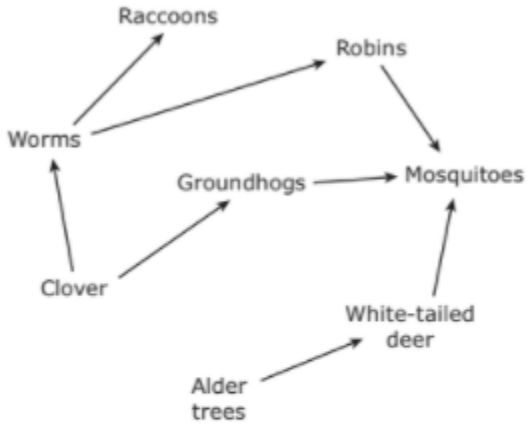
A Eagles → prairie dogs → coyotes

B Wildflowers → badgers → grasshoppers

C Sparrows → seeds → insects

D Grasses → prairie dogs → badgers

8 The food web below represents organisms in a field.



What role do raccoons play in this food web?

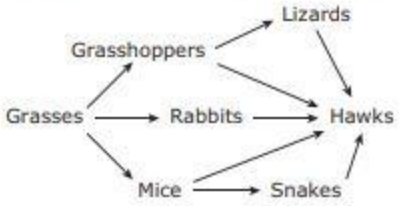
F Prey

G Producer

H Decomposer

J Consumer

22 A food web of a grassland ecosystem is shown.



Which organisms rely on the same food source?

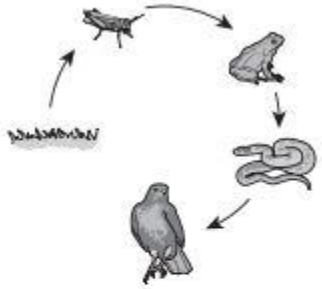
F Snakes and hawks

G Rabbits and lizards

H Mice and snakes

J Grasshoppers and lizards

5 A food chain is shown.



Which role do the grasses have in the food chain?

A They decompose small organisms to produce energy.

B They prevent the food chain from containing too many carnivores.

C They capture the energy from the sun and are food for consumers.

D They break down dead organisms into simpler substances.