List of Cards/Organisms you’ll need for this Food Web Activity

1. Sun
2. Little Brown Bat
3. Osprey
4. Arrow Arum
5. Predaceous Diving Beetle
6. Clam
7. Broadleaved Arrowhead
8. Bacteria
9. Scud
10. Green Frog
11. Hydrilla
12. Crayfish
13. Great Blue Heron
14. White Perch
15. Raccoon
16. Northern Water Snake
17. Dragonfly
18. Rockfish
19. Snails
20. Elodea
21. Stonefly
22. Banded Killifish
23. Mayfly
24. Muskrat
25. Algae
26. Earthworm
27. Caddisfly
28. Painted Turtle
29. Catfish
30. Mallard Ducks
31. Bluegill
32. Belted Kingfisher
33. Mosquitofish
What the Little Brown Bat Eats:

- Flying Insects

What the Osprey EATS:

- Medium to Large Fish (rockfish, white perch, etc.)
- Snakes
- Frogs/Toads

What eats the Little Brown Bat:

- Snakes
- Decomposers

What eats the Osprey:

- Snakes (babies/eggs)
- Raccoons (eggs)
- Decomposers
What Eats Arrow Arum:

- Ducks
- Muskrat
- Decomposers

What the Predaceous Diving Beetle eats:

- Worms
- Leeches
- Crustaceans (crayfish, scud)
- Aquatic insect larvae (dragonfly, true fly, damselfly, stonefly, mayfly, caddisfly, etc.)
- Tadpoles
- Salamanders
- Small fish (banded killifish, mudminnow, mosquitofish, silverside, etc.)
- Scavenge larger dead animals such as fish

What eats the Predaceous Diving Beetle:

- Birds
- Dragonfly larvae
- Crayfish
- Snakes
- Frogs
- Decomposers
<table>
<thead>
<tr>
<th>What the Clam eats:</th>
<th>What eats the Broadleaved Arrowhead:</th>
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<tbody>
<tr>
<td>This is a filter feeder, so it eats plankton and any other tiny organisms floating in the water column.</td>
<td>• Ducks</td>
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<td>• Geese</td>
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<td>• Swans</td>
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<table>
<thead>
<tr>
<th>What eats the Clam:</th>
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<tbody>
<tr>
<td>• Crayfish</td>
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<tr>
<td>• Great Blue Heron</td>
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<td>• Gulls</td>
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<td>• Raccoon</td>
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<td>• Fish</td>
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What Bacteria Eats:

Everything – These microscopic organisms (too small to see with your eyes) are decomposers, and they feed on any other dead or dying organism.

What eats Bacteria:

- Other Bacteria

What Crayfish eat:

Anything they can catch – these are scavengers

- Small fish
- Worms
- Insect larvae
- Plants

What eats a Crayfish:

- Snakes
- Great Blue Herons
- Larger Fish (Rockfish, Sunfish (juveniles), White Perch, etc.)
- Raccoons
- Muskrat
- Turtles
- Larger aquatic insects and their larvae (dragonfly larvae, predaceous diving beetle, etc.)
- Decomposers
What Scud eat:

- Plankton/Algae

What eats Scud:

- Aquatic Insects
- Crayfish
- Fish
- Turtles
- Frogs
- Decomposers

What Green Frogs eat:

- Insects and insect larvae
- Spiders
- Crayfish
- Amphipods/Scud

What eats Green Frogs:

- Large Birds
- Large Fish
- Snakes
- Dragonfly larvae (tadpoles)
- Crayfish (tadpoles)
- Muskrat
- Raccoon
- Predaceous Diving Beetles
- Decomposers
What Eats Hydrilla:

- Turtles
- Snails
- Some Fish
- Crayfish
- Decomposers
- Ducks

What Barred Owls eat:

- Mice/Rats
- Muskrats
- Bats
- Frogs
- Snakes
- Crayfish
- Insects

What eats Barred Owls:

- Great Horned Owl
- Decomposers
**What the Banded Killifish eats:**

- Scud/Isopod
- Aquatic insects

**What eats Banded Killifish:**

- Raccoon
- Dragonfly nymph
- Crayfish
- Predaceous Diving Beetle
- Northern Water Snake
- Larger fish like perch, rockfish, sunfish (eggs/young)
- Muskrat
- Decomposers

**What the Great Blue Heron eats:**

- Medium to large fish
- Frogs and other amphibians
- Snakes
- Crayfish
- Insects

**What eats the Great Blue Heron:**

- Snakes (eggs/babies)
- Raccoons (eggs)
- Decomposers
What the White Perch eats:

- Smaller fish
- Insects
- Crayfish

What eats White Perch:

- Humans
- Osprey
- Bald Eagle
- Great Blue Heron
- Larger fish
- Northern Water Snake
- Decomposers

What the Northern Water Snake eats:

- Fish
- Rodents
- Frogs
- Salamanders
- Juvenile turtles
- Crayfish

What eats the Northern Water Snake:

- Great Blue Heron
- Osprey
- Bald Eagle
- Rockfish
- Decomposers
**What Rockfish eat:**

- Smaller fish
- Amphibian
- Snakes
- Crayfish, scud
- Insects and insect larvae

**What eats Rockfish:**

- Humans
- Snakes
- Larger fish
- Osprey
- Bald Eagle
- Great Blue Heron
- Decomposers

**What eats Algae:**

- Snails
- Tadpoles
- Ducks
- Isopods/Scud
- Humans
- Turtles
- Fish (banded killifish, sunfish)
- Decomposers
- Crayfish
- Mayfly larvae
What Snails eat:

- Aquatic plants (including algae)

What eats Snails:

- Crayfish
- Snakes
- Fish
- Great Blue Herons
- Larger aquatic insects and insect larvae (beetles, dragonfly larvae)
- Decomposers

What Dragonflies Eat:

Adults:
- Flying insects

Nymphs:
- Aquatic insects
- Tadpoles
- Crayfish (juveniles)
- Small fish
What Mayflies eat:

   Adult: nothing
   
   Nymph: Algae, some also eat other small insects

What eats Mayflies:

   • Dragonflies
   • Crayfish
   • Fish
   • Frogs
   • Turtles

What Muskrats eat:

   • Mostly marsh plants, like cattails, arrow arum, marsh mallow, broadleaved arrowhead
   • Occasionally:
     o Small-medium fish
     o Mussels
     o Insects
     o Crayfish
     o Snails
     o Frogs
     o Turtles (small)

What eats Muskrat:

   • Humans
   • Coyote
   • Hawk
   • Raccoons (juvenile)
   • Mink
   • Fox
   • Decomposers
What Mosquitofish eat:

- Mosquito larvae

What eats Mosquitofish:

- Larger fish
- Turtles
- Snakes
- Crayfish
- Decomposers

What Raccoons eat:

- Crayfish
- Fruit
- Frogs
- Insects
- Muskrat
- Small fish

What eats Raccoons:

- Red Fox
- Owls
- Coyote
- Decomposers
- Snakes (juveniles)
What Catfish eat:

- Dead plant and animals from the bottom of the water

What eats Catfish:

- Humans
- Larger fish
- Osprey
- Bald Eagle
- Great Blue Heron
- Turtles
- Snakes
- Decomposers

What Bluegill eat:

- Aquatic insects and insect larvae
- Snails
- Crayfish
- Smaller fish

What eats Bluegill:

- Larger fish
- Birds
- Raccoons
- Turtles
- Snakes
- Crayfish
- Decomposers
What Painted Turtles eat:

- Small fish
- Aquatic plants
- Crayfish
- Snakes
- Worms
- Aquatic insects and insect larvae
- Scud/Isopod
- Tadpoles

What eats Painted Turtles:

- Raccoons
- Large Birds
- Snakes
- Decomposers

What Belted Kingfishers eat:

- Fish
- Crayfish
- Insects

What eats Belted Kingfishers:

- Raccoons
- Snakes
- Owls
- Decomposers
<table>
<thead>
<tr>
<th>What Mallard Ducks eat:</th>
<th>What Eats Elodea:</th>
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<tbody>
<tr>
<td>• Aquatic plants</td>
<td>• Turtles</td>
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<tr>
<td>• Marsh plants</td>
<td>• Snails</td>
</tr>
<tr>
<td>• Insect larvae</td>
<td>• Some Fish</td>
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<tr>
<td>• Clams</td>
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What eats Mallard Ducks:

• Snakes (eggs/juvenile)
• Raccoons (eggs/juveniles)
• Large Fish
• Snapping Turtles
• Decomposers
**What the Earthworm eats**

The earthworm is a decomposer, so it eats other dead organisms.

**What eats the Earthworm**

- Fish
- Birds
- Turtles
- Frogs
- Decomposers

**What the Stonefly eats**

- Other aquatic insect larvae
- Scud/Amphipods

**What eats the Stonefly**

- Fish
- Birds
- Turtles
- Frogs
- Decomposers
What eats the Hydrilla:
- Fish
- Ducks
- Snails
- Decomposers

What the Caddisfly eats:
- Other small aquatic insects
- Scud
- Small pieces of aquatic plants
- Algae

What eats the Caddisfly:
- Fish
- Birds
- Turtles
- Frogs
- Crayfish
- Other aquatic insect larvae like dragonfly
- Decomposers