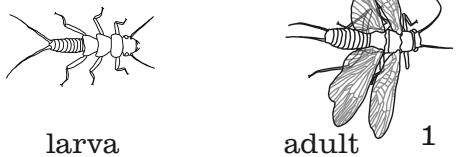
Make one set of business size cards for each small student group. If you make each group of cards a different color, it will be easier to separate mixed up groups. If you want to reuse the cards over the school day or in multiple years consider using card stock. Cards for “Lesson 5: Who eats whom?” are cards 1-16. Cards for "Lesson 8: What size is it?" are cards 1-32. Cards for “Lesson 10: How are organisms related?” are cards 1-28. Cards for “Lesson 11:Disturbance and Dispersal” are cards 1-32.

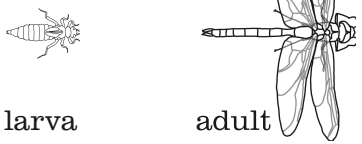
Make one set of 4x4 classroom cards for use on the printed or projected posters. Consider using magnetic paper (e.g. Avery® Magnet Sheets 3270, 8-1/2 x 11, White, Pack of 5) to make board work easier.

Stoneflies
(Order Plecoptera)



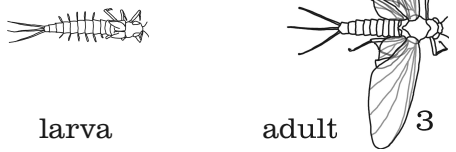
larva adult 1

Dragonflies and Damselflies
(Order Odonata)



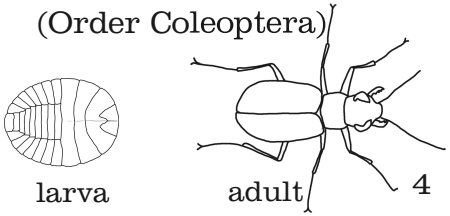
larva adult 2

Mayflies
(Order Ephemeroptera)



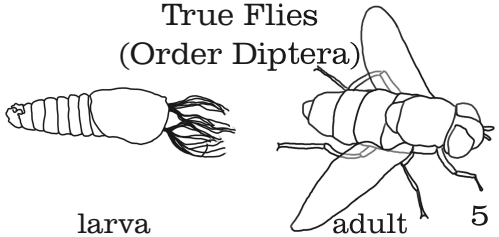
larva adult 3

Water Beetles
(Order Coleoptera)



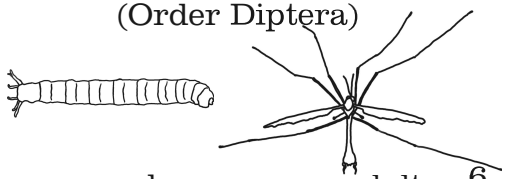
larva adult 4

True Flies
(Order Diptera)



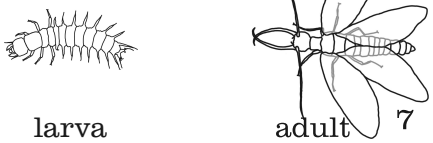
larva adult 5

Craneflies
(Order Diptera)



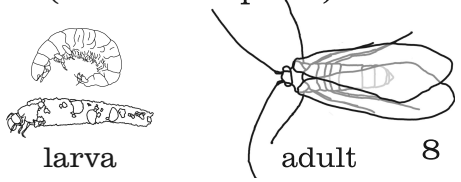
larva adult 6

Dobsonflies and Alderflies
(Order Megaloptera)



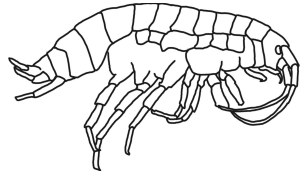
larva adult 7

Caddisflies
(Order Tricoptera)



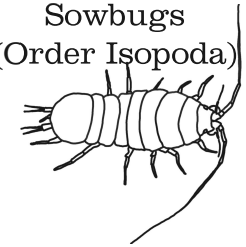
larva adult 8

Scuds
(Order Amphipoda)



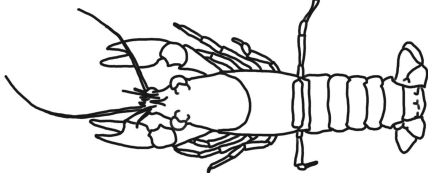
9

Sowbugs
(Order Isopoda)



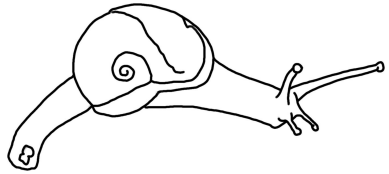
10

Crayfish
(Order Decapoda)



11

Snails
(Class Gastropoda)



12

Mayflies (Order Ephemeroptera)
feeding group: Mostly Collector
dissolved oxygen needs: 8-12 mg/L

Dragonflies and Damselflies (Order Odonata)
feeding group: Predator
dissolved oxygen needs: 4.1-7.9 mg/L

Stoneflies (Order Plecoptera)
feeding group: Mostly Predator
dissolved oxygen needs: 8-12 mg/L

Crane Flies (Order Diptera, Family Tipulidae)
feeding group: Shredder
dissolved oxygen needs: 4.1-7.9 mg/L

True Flies (Order Diptera)
feeding group: Collector
dissolved oxygen needs: >4 mg/L

Water Beetles (Order Coleoptera)
feeding group: Scraper
dissolved oxygen needs: 8-12 mg/L

Scuds (Order Amphipoda)
feeding group: Shredder
dissolved oxygen needs: 4.1-7.9 mg/L

Caddisflies (Order Tricoptera)
feeding group: Shredder, Predator
dissolved oxygen needs: 8-12 mg/L

Dobsonflies & Alderflies (Order Megaloptera)
feeding group: Predator
dissolved oxygen needs: 4.1-7.9 mg/L

Snails (Class Gastropoda)
feeding group: Scraper
dissolved oxygen needs: >4 mg/L

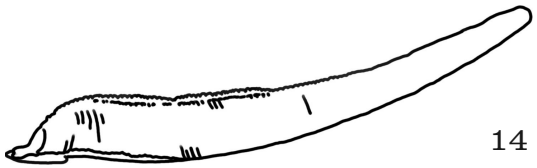
Crayfish (Order Decapoda)
feeding group: Predator, Collector
dissolved oxygen needs: 4.1-7.9 mg/L

Sowbugs (Order Isopoda)
feeding group: Collector
dissolved oxygen needs: 4.1-7.9 mg/L

Clams and Mussels
(Class Bivalvia)

13

Leeches
(Subclass Hirudinea)



14

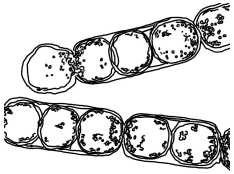
Aquatic Earthworms
(Subclass Oligochaeta)

15

Planaria
(Class Turbellaria)

16

Pond Scum
(Filamentous Green Algae)



17

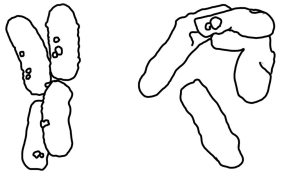
Paramecium

18

Amoeba
(has nucleus)

19

Pseudomonas
(no nucleus)



20

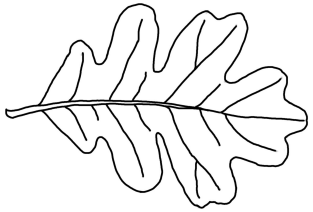
White Pine Tree

21

Oak Tree

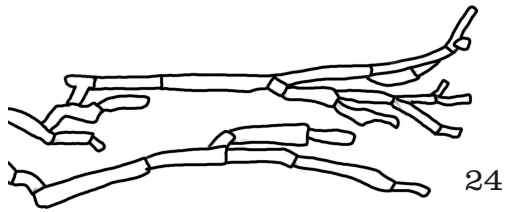
22

Oak Leaf



23

Hyaline Mitosporic Fungi



24

Aquatic Earthworms (Subclass Oligochaeta)
feeding group: Collector
dissolved oxygen needs: >4 mg/L

Leeches (Subclass Hirudinea)
feeding group: Predator
dissolved oxygen needs: >4 mg/L

Clams and Mussels (Class Bivalvia)
feeding group: Collector
dissolved oxygen needs: 4.1-7.9 mg/L

Paramecium
feeding group: Consumer

Pond Scum (Filamentous Green Algae)
feeding group: Producer

Planaria (Class Turbellaria)
feeding group: Predator

White Pine Tree
feeding group: Producer

Pseudomonas
feeding group: Decomposer

Amoeba
feeding group: Consumer

Hyaline Mitosporic Fungi
feeding group: Decomposer

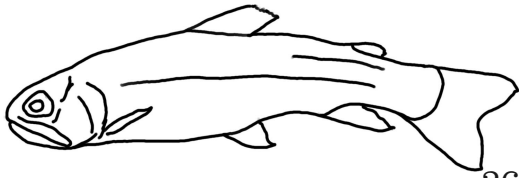
Oak Leaf
feeding group: Producer

Oak Tree
feeding group: Producer

Salamander

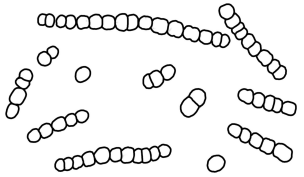
25

Trout



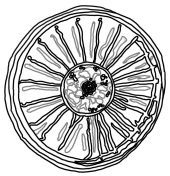
26

Anabaena
(no nucleus)



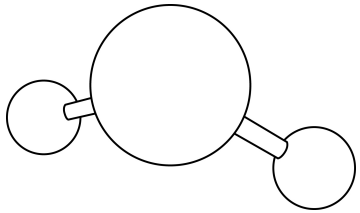
27

Diatom
(has nucleus)



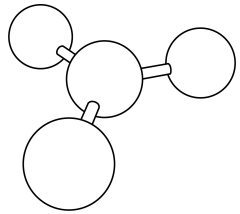
28

Water Molecule



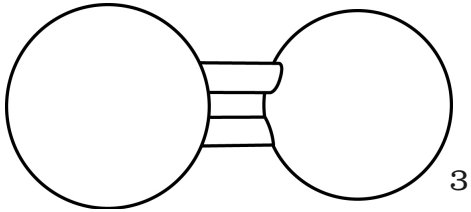
29

Nitrate



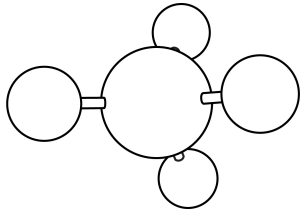
30

Oxygen



31

Phosphate



32

Anabaena
feeding group: Producer

Trout
feeding group: Predator

Salamander
feeding group: Predator

Diatom
feeding group: Producer