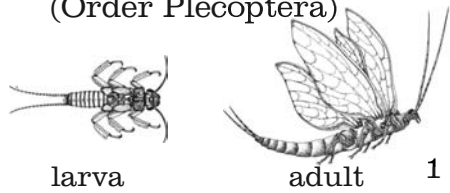


Make one set of business size cards for each small student group. If you make each group of cards a different color, it will be easier to separate mixed up groups. If you want to reuse the cards over the school day or in multiple years consider using card stock. Cards for “Lesson 3: Who eats whom?” are cards 1-16. Cards for “Lesson 5: How are organisms related?” are cards 1-28. Cards for “Lesson 6: Biotic, Abiotic, 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)



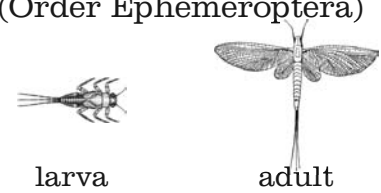
larva      adult      1

Dragonflies and Damselflies  
(Order Odonata)



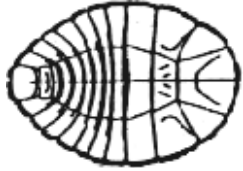
larva      adult      2

Mayflies  
(Order Ephemeroptera)



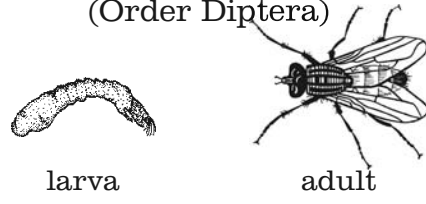
larva      adult      3

Water Beetles  
(Order Coleoptera)



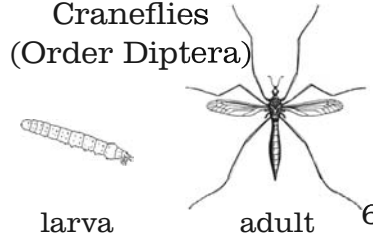
4

True Flies  
(Order Diptera)



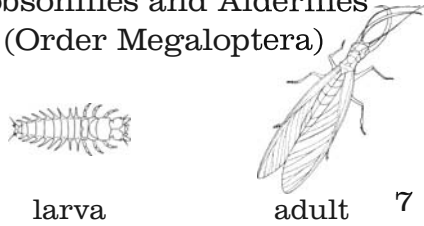
larva      adult      5

Craneflies  
(Order Diptera)



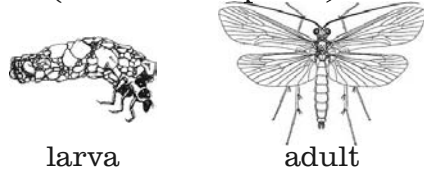
larva      adult      6

Dobsonflies and Alderflies  
(Order Megaloptera)



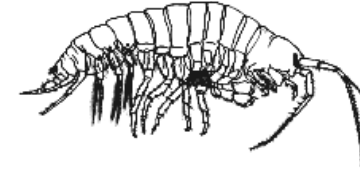
larva      adult      7

Caddisflies  
(Order Tricoptera)



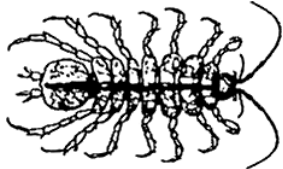
larva      adult      8

Scuds  
(Order Amphipoda)



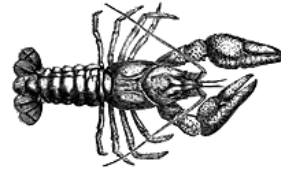
9

Sowbugs  
(Order Isopoda)



10

Crayfish  
(Order Decapoda)



11

Snails  
(Class Gastropoda)



12

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

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

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

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

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

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

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

Caddisflies (Order Tricotera)  
feeding group: Shredders, predators  
dissolved oxygen needs: 8-12 mg/L

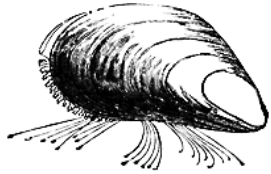
Dobsonflies & Alderflies (Order Megaloptera)  
feeding group: Predators  
dissolved oxygen needs: 4.1-7.9 mg/L

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

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

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

Clams and Mussels  
(Class Bivalvia)



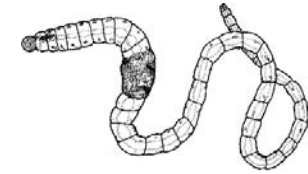
13

Leeches  
(Subclass Hirudinea)



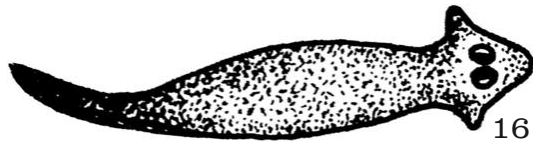
14

Aquatic Earthworms  
(Subclass Oligochaeta)



15

Planaria  
(Class Turbellaria)



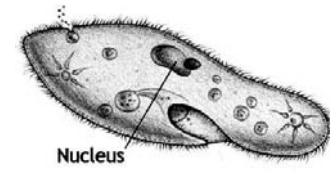
16

Pond Scum  
(Filamentous Green Algae)



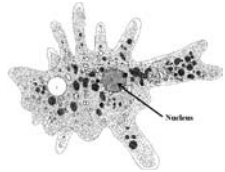
17

Paramecium



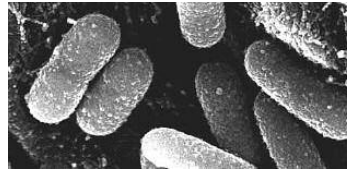
18

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: Collectors  
dissolved oxygen needs: >4 mg/L

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

Clams and Mussels (Class Bivalvia)  
feeding group: Collectors  
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: Predators

White Pine Tree  
feeding group: Producer

Pseudomonas  
feeding group: Decomposer

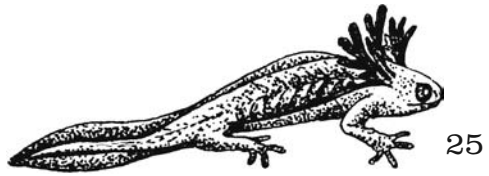
Amoeba  
feeding group: Consumer

Hyaline Mitosporic Fungi  
feeding group: Decomposer

Oak Leaf  
feeding group: Producer

Oak Tree  
feeding group: Producer

Salamander



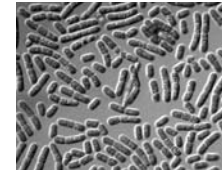
25

Trout



26

Anabaena  
(no nucleus)



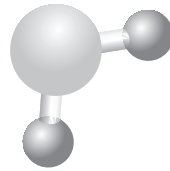
27

Diatom  
(has nucleus)



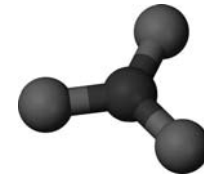
28

Water Molecule



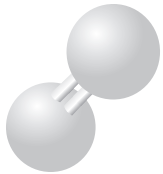
29

Nitrate



30

Oxygen



31

Phosphate



32

Anabaena  
feeding group: Producer

Trout  
feeding group: Predators

Salamander  
feeding group: Predator

Diatom  
feeding group: Producer