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)

Dragonflies and Damselflies (Order Odonata)

Mayflies (Order Ephemeroptera)

Water Beetles (Order Coleoptera)

True Flies (Order Diptera)

Craneflies (Order Diptera)

Dobsonflies and Alderflies (Order Megaloptera)

Caddisflies (Order Trichoptera)

Scuds (Order Amphipoda)

Sowbugs (Order Isopoda)

Crayfish (Order Decapoda)

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

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

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

Water Beetles (Order Coleoptera)
feeding group: Scrapers
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

Caddisflies (Order Tricoptera)
feeding group: Shredders, predators
dissolved oxygen needs: 8-12 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

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

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

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

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

Michigan State University
Environmental Literacy Project
http://edr1.educ.msu.edu/environmentallit/publicsite/html/tm_be.html
Clams and Mussels (Class Bivalvia)  
feeding group: Collectors  
dissolved oxygen needs: 4.1-7.9 mg/L

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

Aquatic Earthworms (Subclass Oligochaeta)  
feeding group: Collectors  
dissolved oxygen needs: >4 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

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http://edr1.educ.msu.edu/environmentallit/publicsite/html/tm_be.html
Anabaena
feeding group: Producer

Trout
feeding group: Predators

Salamander
feeding group: Predator

Diatom
feeding group: Producer