

Grades 5 - 8: Observations representing of 8 of 18 Organism Types

Grades 9 - 12: Observations representing 14 of the 18 Organism Types

Organism Type	Example/Where to look
Flowering plants	<i>Iris, Tulip poplar, lily</i>
Cone-bearing plants	Pine tree, bald cypress
Spore bearing vascular plants	Fern, clubmoss, horsetail
Mosses, liverworts	Look for tiny green plants in shaded and wet areas
Red, brown, green algae	Look in waterfalls, stagnant water, or ponds *may require dissecting or compound microscope
Single celled aquatic invertebrates	Amoebae, diatoms, <i>Euglena</i> , <i>Volvox</i> *will require compound microscope
Birds* (here treated separately from the rest of the reptiles)	Crow, wren, heron, mockingbird
Mollusks	Snail, slug, squid, clam, mussel
Bacteria	Blue-green bacteria, look for pond scum *may require compound microscope
Reptiles	Snake, skink, turtle
Mammals	Raccoon, mouse, rabbit
Insects	Beetle, bee, butterfly, moth, dragonfly
Arachnids	Spider, harvestmen, tick, mite, scorpion
Amphibians	Salamander, frog, toad, tadpole
Fungi	Mushroom, shelf fungus
Lichens	Reindeer moss, British soldiers, old man's beard
Crustaceans	Crayfish, crabs, shrimp, barnacles, water fleas, pill bugs
Fish	Sunfish, bass, paddlefish, catfish