

Introduction to Aquatic Life-grades-4-8



Drawing on the best of Project WILD's *Aquatic WILD* and Project WET's *Healthy Water Healthy People*, these kits facilitate student understanding of the features of freshwater aquatic habitats and the relationship between aquatic life, water quality, and human activity. Activities include simulated macroinvertebrate survey for water quality, application of knowledge of fish adaptations, and role playing.

Activities & Equipment

Discover a Watershed The Blue Traveller

Students simulate the movement of water within and between natural and constructed systems. Students will learn how water's movement on the planet affects water conservation measures.

Aquatic WILD Blue Ribbon Niche

Through presentations, basic research, and various artistic mediums students will learn about riparian life and ecology, and the effect of changing ecosystems.

Aquatic WILD Fishy Who's Who

Students complete an inventory of fish habitats, obtain information about fish species, and use maps to identify water sources. Basic research skills and art also utilized in the activities.

Aquatic WILD Fashion a Fish

Students use art to design and name fish, and describe fish habitat. Students learn about the importance of adaptations in fish.

Healthy Water Healthy People Water Quality Windows

Students explore the different water quality ranges required for the survival of aquatic and marine organisms by interpreting water quality data; sorting and classifying organisms according to their water quality requirements; and applying their knowledge to determine the effects of changes in water quality on organisms.

Healthy Water Healthy People Invertebrates as Indicators

Students play games to simulate the effects of environmental stressors on aquatic macroinvertebrate populations, record changes to populations, and investigate how impacted populations recover.

Arizona Wildlife Views Videos

Watch a video that covers wildlife adaptations, habitat, environmental behavior in humans and how it affects habitat quality and quantity.

Aquatic WILD Dragonfly Pond

Students create a collage of human land-use activities around an image of a pond and learn about effects of land-use on wetland habitats. Lifestyle changes are discussed as an effort to minimize damage to wetlands.

Aquatic WILD To Dam or Not to Dam Students use role playing games to simulate stakeholders in a decision to construct or scrap a plan to build a dam on a river.

Advanced Aquatic Life-grades 7-12



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Activities and Equipment

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Healthy Water Healthy People There is no Point to this Pollution

Students analyze data to solve a mystery, interpret a topographic map, and analyze and compare water quality data to learn about the cumulative impacts of nonpoint source pollution.

Healthy Water Healthy People Benthic Bugs and Bioassessment

Students collect, sort, classify, identify, analyze, and evaluate a sample of materials representing aquatic macro invertebrates. Students learn about water quality and pollution.

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