

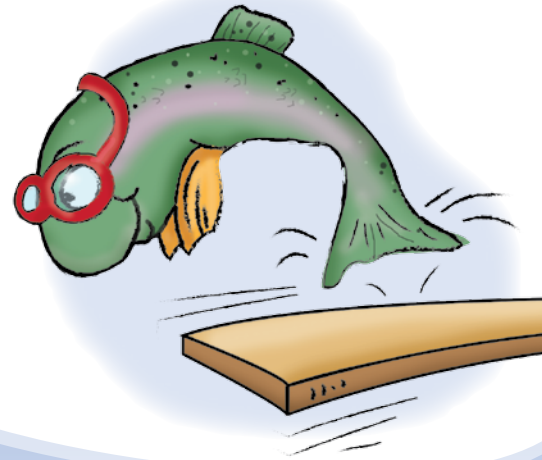
# PLAY



Spring  
2018

Pennsylvania • League • of • Angling • Youth

## Water Water Read All About It



Aquatic animals are not much different from other animals when it comes to survival. They have several basic needs and one of them is water. It protects organs and tissues. It regulates temperature. It dissolves and carries nutrients and oxygen to cells. It even flushes waste.

Aquatic critters live in the water. Anything that affects the water will affect them, so the quality of the water is important.

Understanding **water quality** will also make you a better angler.

### Vocabulary *(Watch for these words!)*

- **Acid rain** - rainfall made acidic by atmospheric pollution, caused by burning of fossil fuels
- **Alkalinity** - measure of water's ability to resist a decrease in pH, also known as buffering capacity
- **Carbonates** - come from limestone and other rocks that contain calcium carbonate ( $\text{CaCO}_3$ ) and that dissolve in water
- **Dissolved oxygen** - measure of how much oxygen is dissolved in the water
- **Organic matter** - debris from once living plants and animals
- **Water quality** - the healthiness and cleanliness of the water
- **pH** - measure of the water's acidity
- **Plankton** - microscopic plants (algae) and animals that drift in the water
- **Turbidity** - measure of how cloudy the water is depending upon suspended particles
- **Saturation** - when water dissolves all the oxygen it is capable of holding at a given temperature