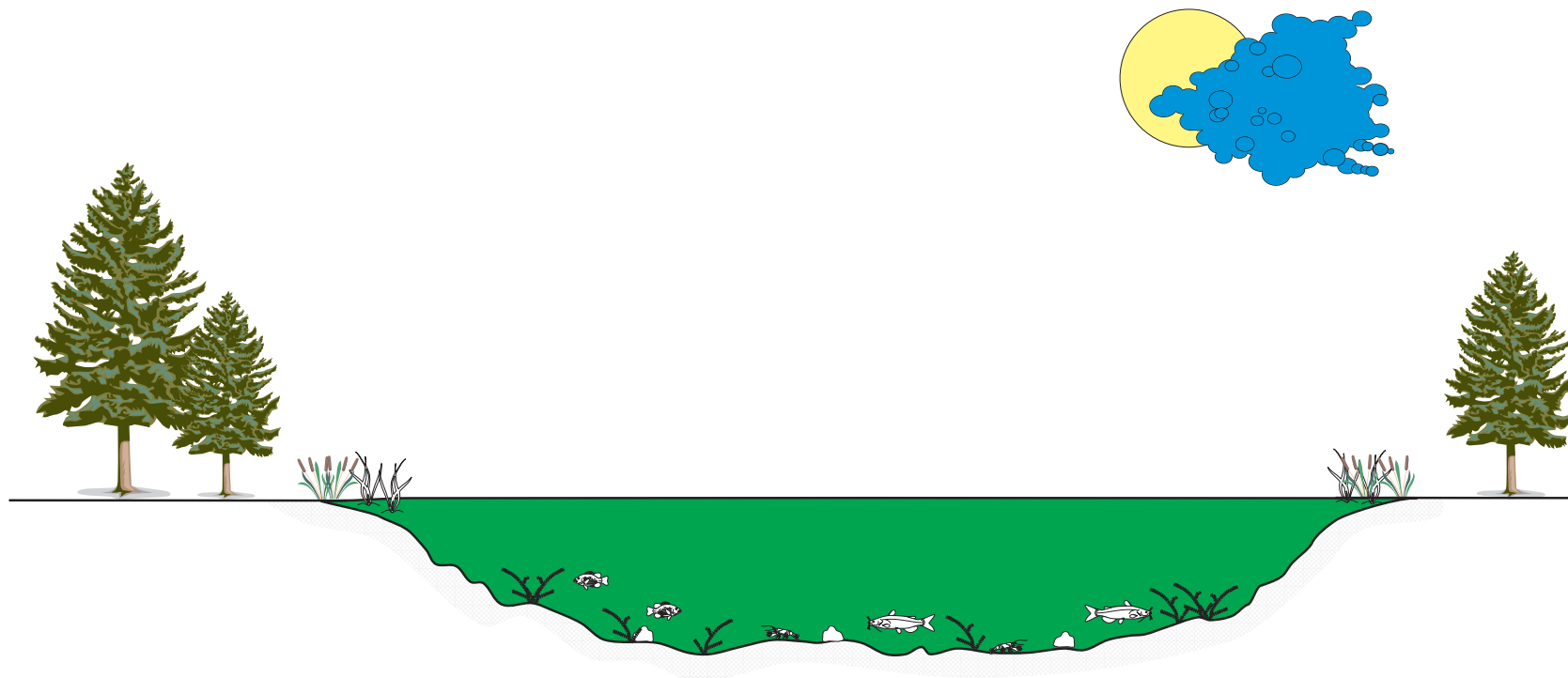


Eutrophic Lake - Old



Characteristics:

- eutrophic means "well feed"
- shallow
- pH rises again and is usually more basic (less acidic)
- high nutrient supply
- dense growths of plankton in surface waters
- water column turbid (murky)
- bottom waters anoxic (oxygen-starved) during summer

- oxygen concentration decreases a great deal in the bottom zone (hypolimnion) compared to levels in the upper part of the lake (epilimnion)
- very productive for all organisms (plants, fish, invertebrates, zooplankton etc.)
- dominant fish tend to be warmwater species in the catfish, sunbass and carp families
- frequent algal blooms and fish kills