

Streams & Rivers

Lakes, Ponds, and Wetlands

Let "us" talk about the current topic

Monitoring

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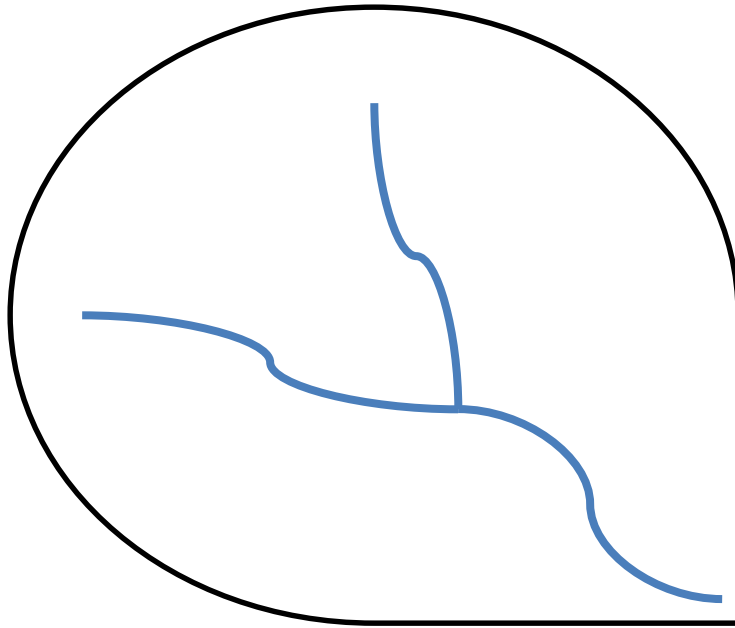
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**An area of land that
drains to a single point**

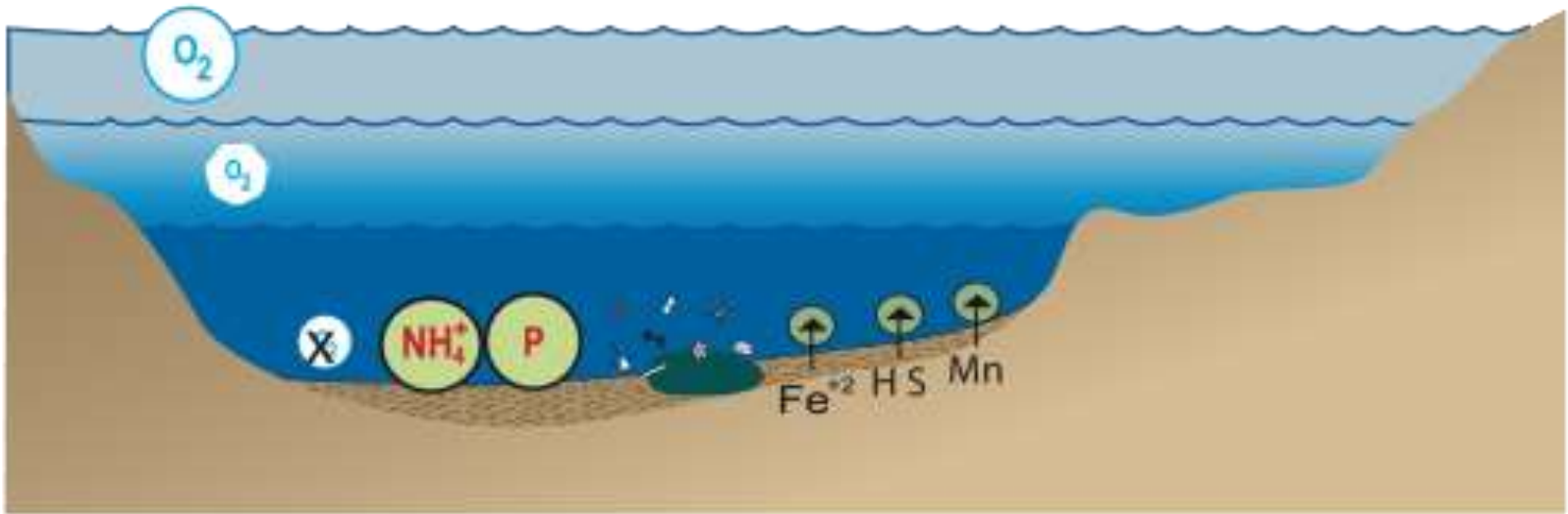


Answer

What is a Watershed



This is the upper layer of a lake



Answer

What is the Epilimnion



**The acronym for the
federal agency
responsible for
guidance on
grasslands**

Answer

What is NRCS



**The chemical element
with the symbol N**

Answer

What is Nitrogen



**This 9 letter
measurement is the
volume of water
moving downstream
per unit time**

Answer

What is Discharge



**These temporary
wetlands are
important spring
habitat**

Answer

What are Vernal/Ephemeral Pools



An area containing hydric soils, hydrophytic vegetation, and are seasonally or permanently saturated with water

Answer

What is a wetland



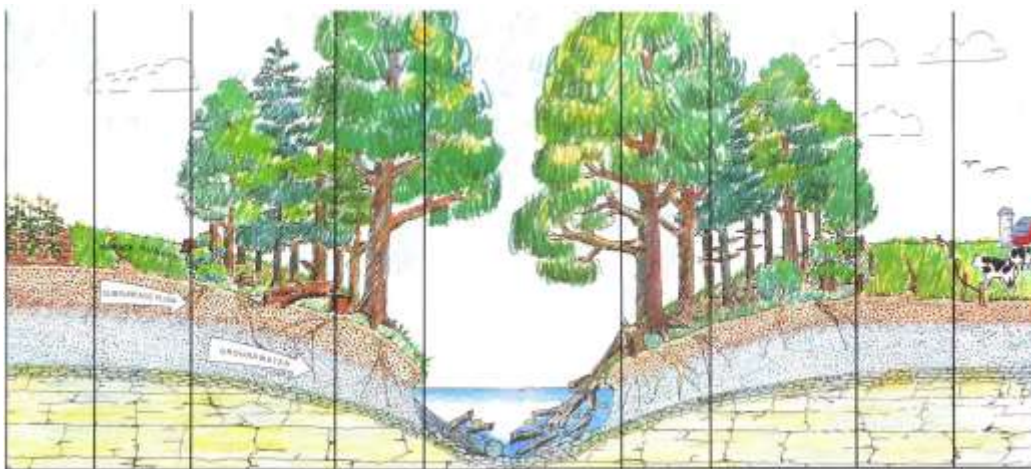
A quick method for assessing river habitat conditions

Answer

What is a Rapid Bioassessment



The area adjacent to waterbodies, where terrestrial and aquatic ecosystems converge



Answer

What is the riparian zone

zone



**In addition to the
large ones, there are
over a million of these
as smaller structures
impounding lakes and
ponds across the US**

Answer

What are dams



**A practice designed to
reduce release of
materials to surface and
ground waters**

Answer

**What is a best
management
practice**



**The chemical with the
symbol PO_4**

Answer

What is Phosphate



**The metric unit for
discharge**

Answer

What is m^3/s



Status of a nutrient-poor lake

Answer

What is Oligotrophic



A water quality benefit of conservation cropping on grasslands



Answer

What is sediment or erosion



**BOD is an acronym for
this test of lake
productivity**

Answer

What is Biological Oxygen Demand



Filamentous algae growing on rocks



Answer

What is Periphyton



A curved lake in a floodplain



Answer

What is an Oxbow



**A process of controlled
biodegradation of organic
wastes that destroys
pathogens**

Answer

What is composting



This federal agency
operates stream gages
in CT rivers

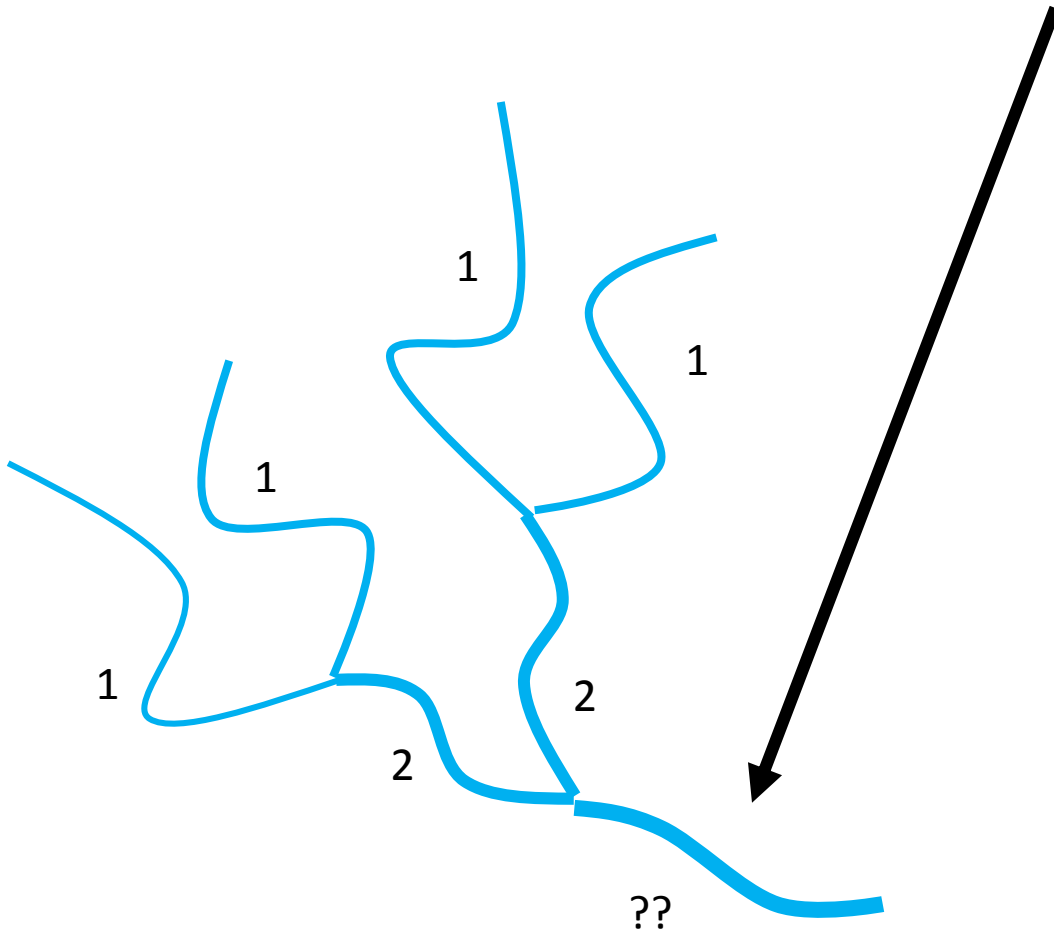


Answer

What is the USGS



This stream order

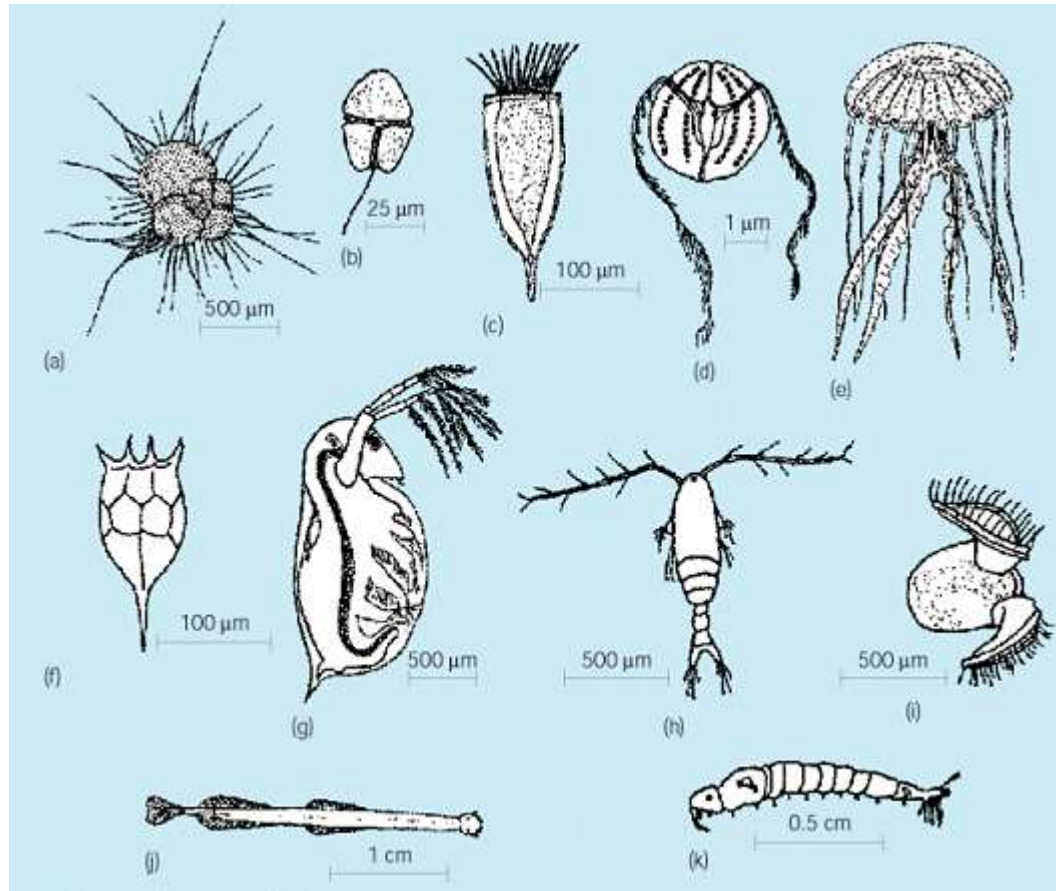


Answer

What is 3



Microscopic lake animals



Answer

What is Zooplankton



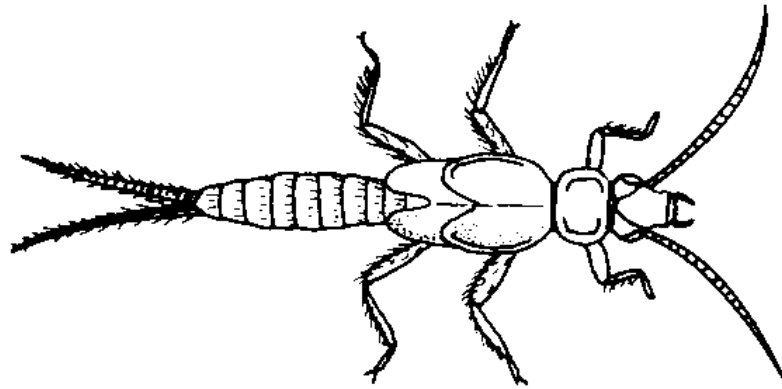
Best types of vegetation growing in a riparian buffer

Answer

What are trees and shrubs



**The presence of this
larvae indicates a
healthy stream**



Answer

What is Stonefly



**Besides biological and
chemical, this is the
third major
characteristic of water
quality**

Answer

What is Physical



The only one that is
not type of wetland:

-Fen

-Playa

-Swamp

-Egret

Answer

What is an Egret



**Successive planting of
different crops in the
same field**

Answer

**What is crop
rotation?**



**The water quality
parameter TSS stands
for this**

Answer

What are Total Suspended Solids



**Term to describe a
streams alternating
flow from shallow and
swift to deep and slow
areas**

Answer

What is riffle-pool sequence



**This is the study of
lakes and ponds**

Answer

What is Limnology



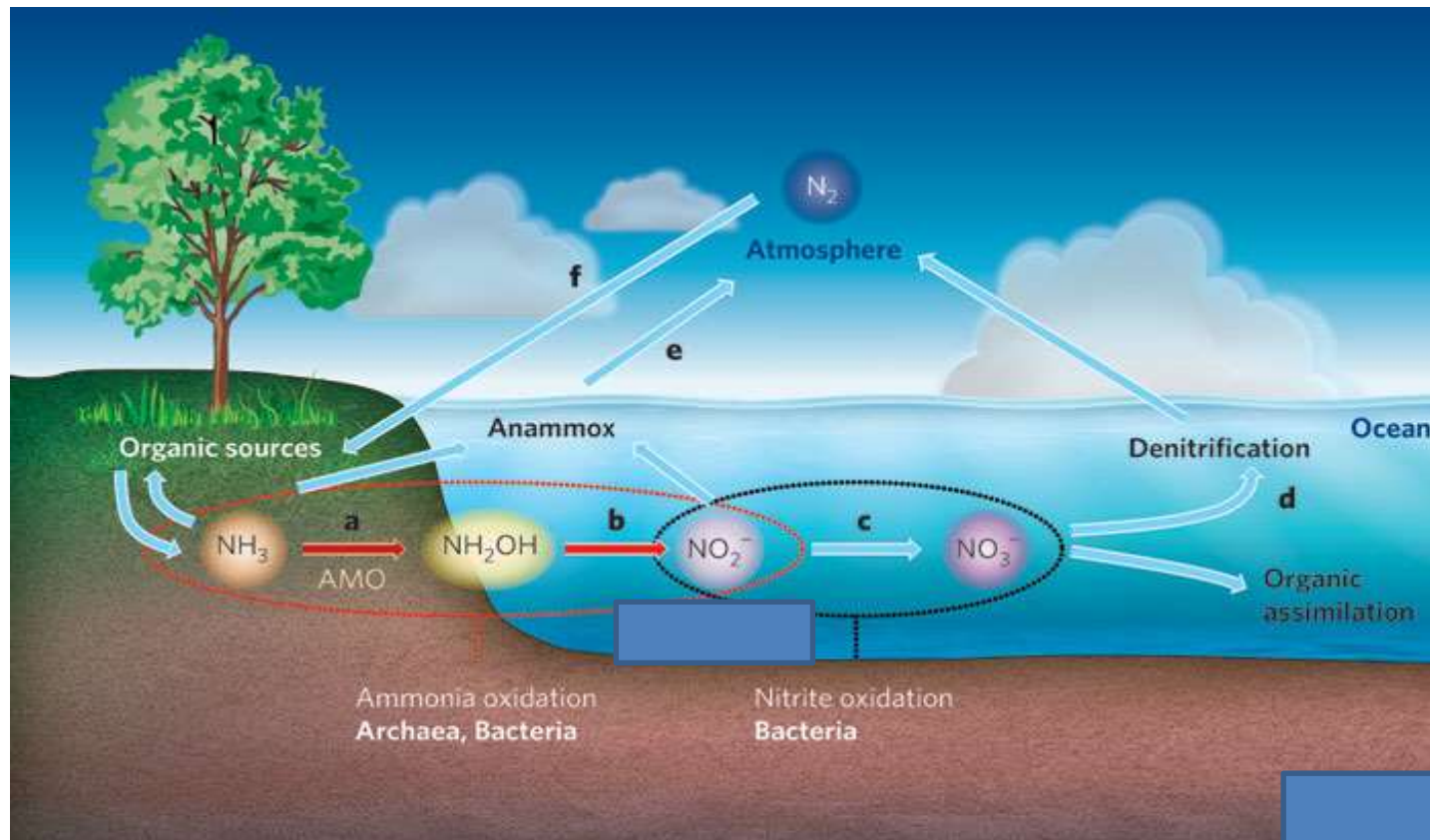
Capture, storage, and release of water

Answer

**What are three
primary functions of
watersheds**



The oxidation of ammonia to nitrate



Answer

What is Nitrification



**This 1972 federal law
regulates point source
discharges to the
nation's waters**

Answer

What is the Clean Water Act (water pollution control act)



**Bogs receives
most of their
water from
this.**

Answer

What is Precipitation



**Area of vegetation
planted along field to
slow runoff and
sediment**

Answer

What is a vegetated filter



**This is the largest
source of non-point
pollution in the U.S.**

Answer

What is agriculture



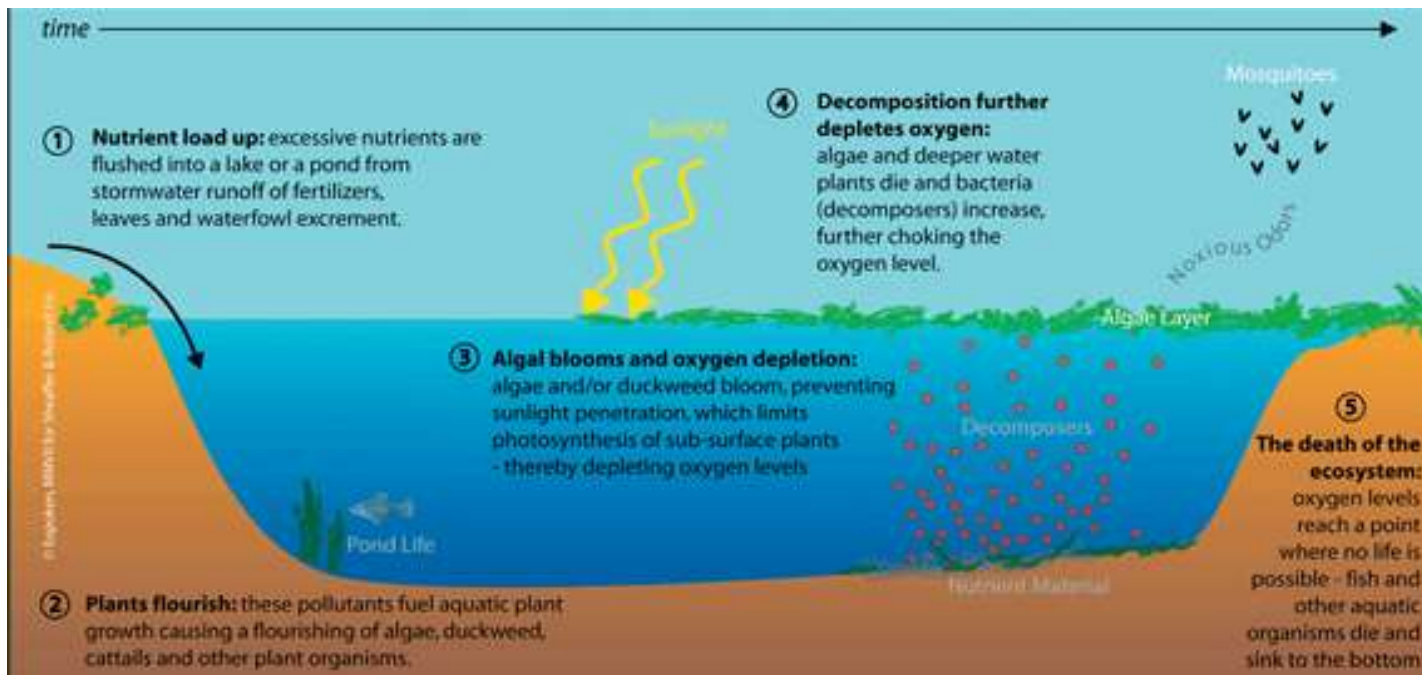
**EPT index stands for
this**

Answer

**What is
Ephemeroptera,
Plecoptera,
Tricoptera**



This 14-letter process



Answer

What is Eutrophication



**A type of grazing that
provides for a rest
period for vegetation
regrowth**



Answer

What is Voisin or rotational grazing



A TMDL is the total amount of pollution a water body can receive and still meet water quality standards. What does it stand for?

Answer

Total Maximum Daily Load

