

WATER QUALITY TRIVIA

TEACHER INSTITUTE

6.30.20



WHAT IS THE SIZE OF THE POTOMAC WATERSHED?

14,670 square miles

105,593 square miles

25,492 square miles

90,2948 square miles

WHAT IS THE SIZE OF THE POTOMAC WATERSHED?

14,670 square miles

WHAT IS THE POPULATION OF THE POTOMAC RIVER WATERSHED?

103 million

6.11 million

2.4 million

70 million

WHAT IS THE POPULATION OF THE POTOMAC RIVER WATERSHED?

6.11 million

STORM EVENTS CAN CAUSE WASTEWATER TREATMENT CAPACITY TO BECOME OVERWHELMED. WHAT PARAMETER MAY INCREASE AS A RESULT?

pH

Salinity

Phosphorous

Alkalinity

STORM EVENTS CAN CAUSE WASTEWATER TREATMENT CAPACITY TO BECOME OVERWHELMED. WHAT PARAMETER MAY INCREASE AS A RESULT?

Phosphorous

MINING IS A COMMON INDUSTRY IN THE WESTERN PORTION OF THE POTOMAC WATERSHED AND CAN LEAD TO ACID MINE DRAINAGE. WHAT PARAMETER MAY BE AFFECTED AS A RESULT?

E Coli

pH

Conductivity

Total Dissolved Solids

MINING IS A COMMON INDUSTRY IN THE WESTERN PORTION OF THE POTOMAC WATERSHED AND CAN LEAD TO ACID MINE DRAINAGE. WHAT PARAMETER MAY BE AFFECTED AS A RESULT?

pH

WHICH OF THE FOLLOWING IS NOT A SOURCE OF NITROGEN POLLUTION?

Fertilizers

Livestock and pet waste

Detergents

Erosion

**WHICH OF THE FOLLOWING IS NOT A
SOURCE OF NITROGEN POLLUTION?**

Erosion

WHICH OF THE FOLLOWING SURFACES CAN HAVE A NEGATIVE IMPACT ON STREAM TEMPERATURE?

Permeable pavement

Impervious pavement

Rain gardens

Wetlands

**WHICH OF THE FOLLOWING SURFACES
CAN HAVE A NEGATIVE IMPACT ON
STREAM TEMPERATURE?**

Impervious pavement

WHAT IS THE PARAMETER MEASURING THE CLOUDINESS OF WATER CALLED?

Biochemical Oxygen Demand

pH

Turbidity

Nitrates

**WHAT IS THE PARAMETER MEASURING
THE CLOUDINESS OF WATER CALLED?**

Turbidity

WHICH OF THESE LEADS TO A DECREASE IN DISSOLVED OXYGEN?

Algae blooms

Submerged aquatic vegetation

Cold temperatures

Wind, waves, and riffles

WHICH OF THESE LEADS TO A DECREASE IN DISSOLVED OXYGEN?

Algae blooms

WHAT DOES TDS STAND FOR?

Transparent Dissolved Sediment

Temperature Development Scale

Transparent Dissolved Sulfur

Total Dissolved Solids

WHAT DOES TDS STAND FOR?

Total Dissolved Solids

THE PRESENCE OF THIS IN A WATER SAMPLE OFTEN INDICATES THAT THERE IS A GREATER RISK THAT PATHOGENS ARE PRESENT.

Nitrates

Sulfates

Fecal Coliform

Dissolved Oxygen

THE PRESENCE OF THIS IN A WATER SAMPLE OFTEN INDICATES THAT THERE IS A GREATER RISK THAT PATHOGENS ARE PRESENT.

Fecal Coliform