



Oceans: Salt Water

Did you know the Earth is about **71% water**? But where is most of that water located? **Only 0.5%** of the earth's water is available fresh water.

Yet, it's the same water that was around when the dinosaurs were.

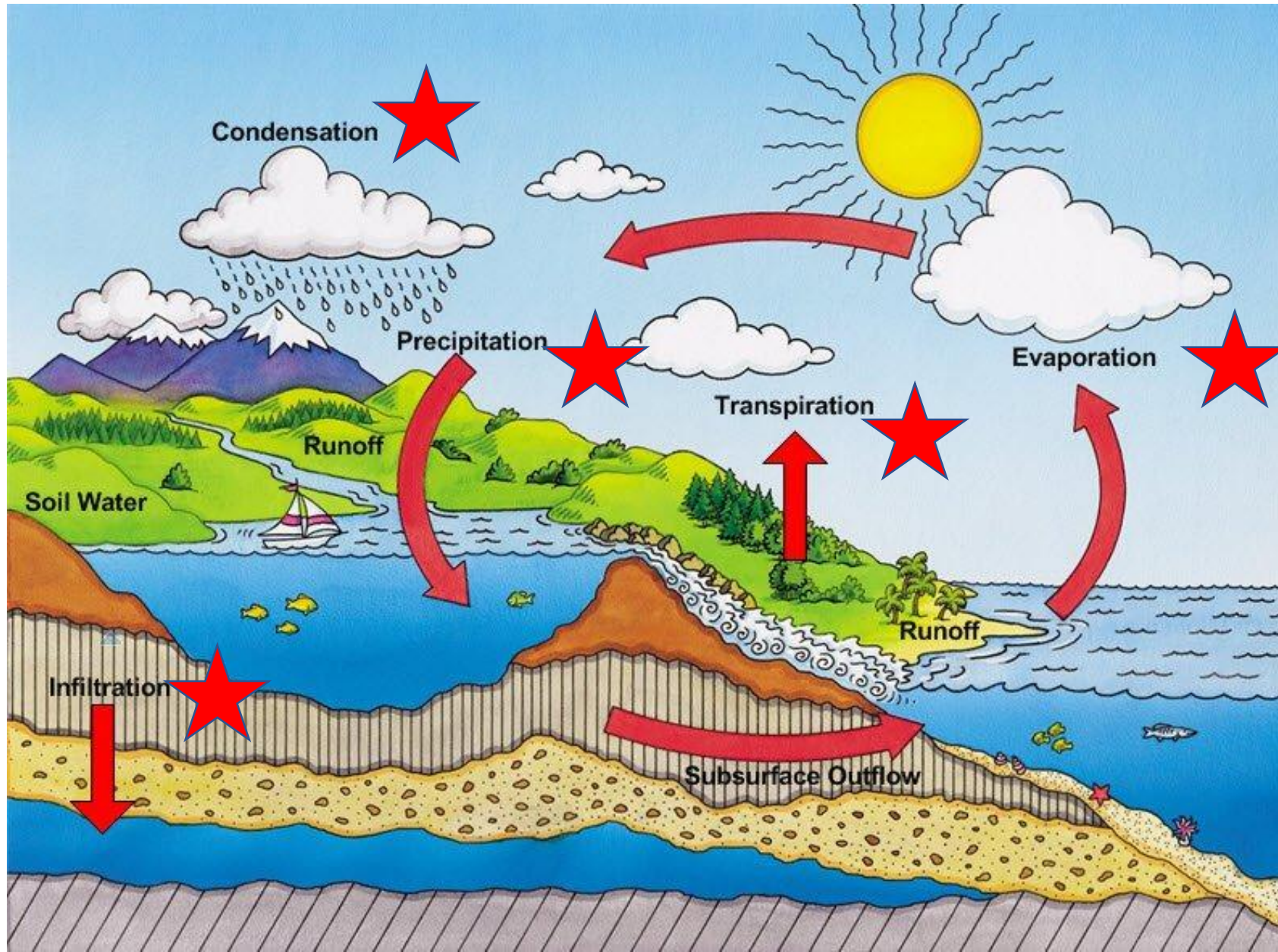
We cannot make any new water, so we have to take care of the water we have.



Water molecule ( $H_2O$ ) is made up of 2 hydrogen atoms and 1 oxygen atom. It is naturally found in three states (Liquid, Solid and Gas), determined by the temperature.

# Water Cycle

**Transpiration** is essentially evaporation of water from plant leaves.



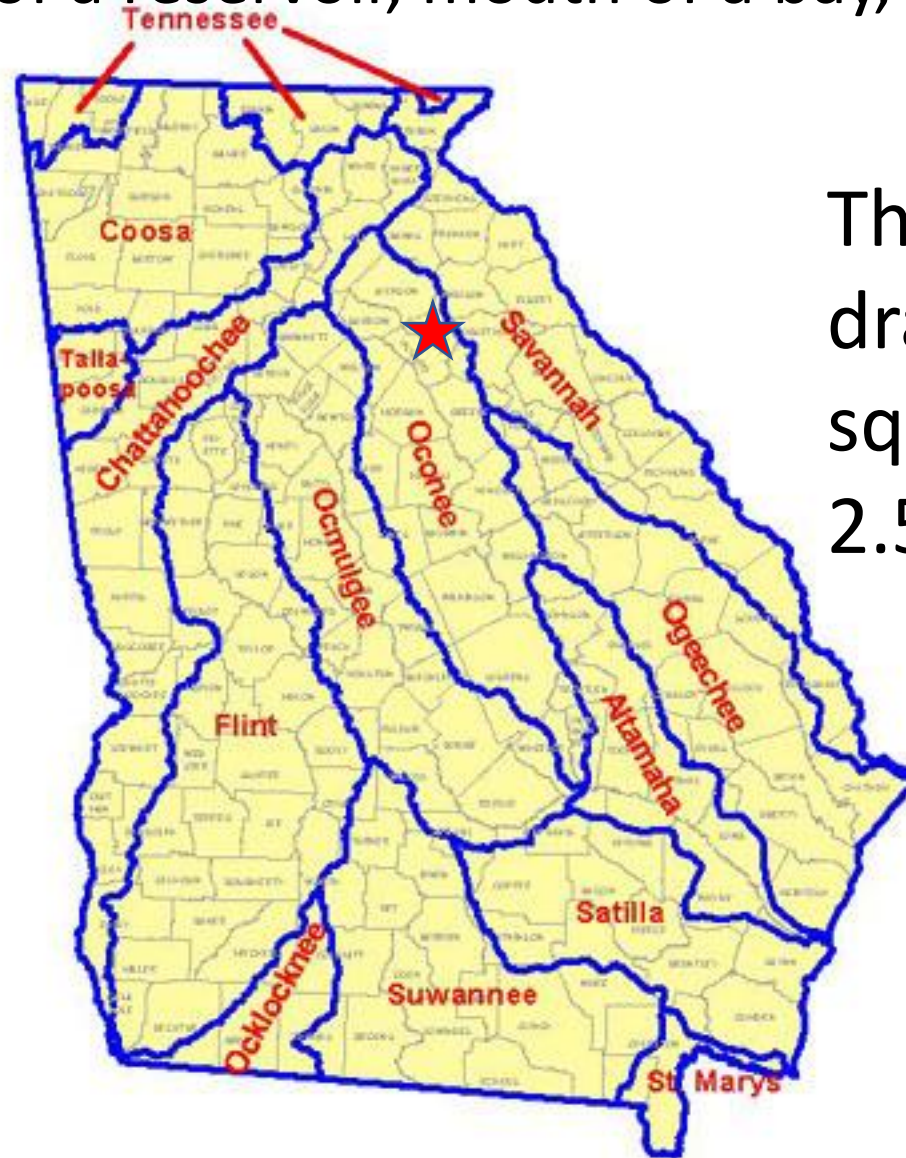
**Infiltration** is when water soaks into the ground, through the soil and underlying rock layers.

# Georgia's Watersheds/Basins

A watershed is an area of land that drains all the streams and rainfall to a common outlet such as the outflow of a reservoir, mouth of a bay, or any point along a stream channel.

Athens is located in the  
**Oconee Watershed.**

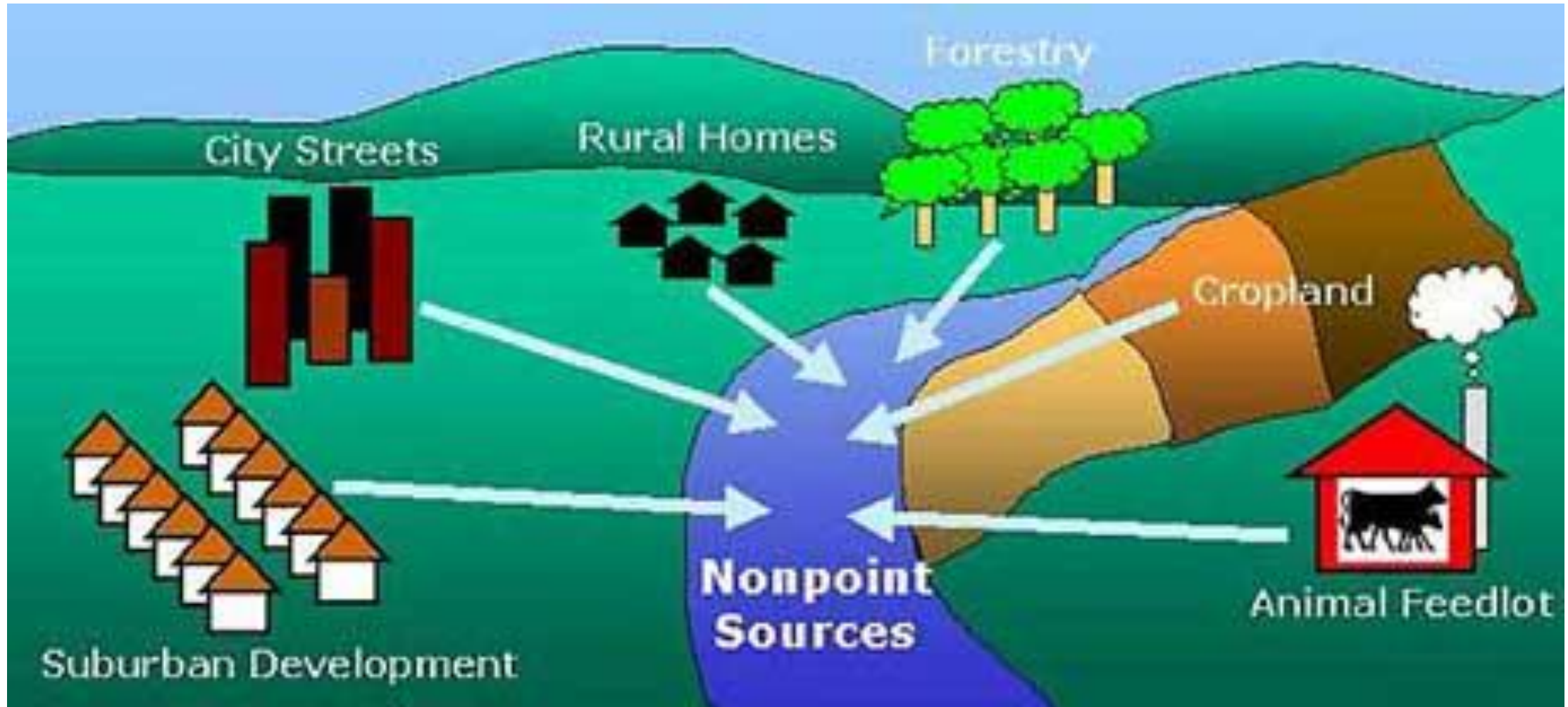
Each Watershed is  
named for the River  
located in the area.



The **Oconee River Basin**  
drains a total of 5,330  
square miles! That's over  
2.5 million football fields!

# What is Non Point Source Pollution?

<https://www.youtube.com/watch?v=phmN-lpR3xw>



# Point Out Pollution!

Point hand down if Point Source Pollution  
Keep hand up if Non Point Source



Factory Wastewater



Sewage Treatment  
Plant Discharge



Pet Waste



# Point Out Pollution!

Point hand up if Point Source Pollution  
Keep hand down if Non Point Source

Leaked Car Oil



Excess lawn Fertilizer



# How can you save Water?

INDOOR	Daily Savings*
Run the dishwasher only when full	2 gallons
Not leave water running while rinsing dishes	5 gallons
Turn off water while brushing teeth (twice daily)	8 gallons
Shorten showers by 2 minutes (once daily)	5 gallons
Fill the bathtub half full while bathing	18 gallons
Not use the toilet as a wastebasket (once daily)	2 gallons
Wash only full loads of laundry and cut back by one load per week	5 gallons
Fix a leaky faucet	15 gallons
Fix a leaky toilet	30 gallons

\*Actual water savings from these actions depends on a number of factors, including a household's water pressure, number of residents, age/efficiency of plumbing devices, size of landscapes and irrigation systems, personal behaviors, etc. These daily estimates for an average household are provided solely as an educational guideline to help the public understand and appreciate the potential of these actions to help the region save water.

# OUTDOOR

## Daily Savings\*

Make a compost pile instead of using the garbage disposal

4 gallons

Use a 55-gallon rain barrel to capture rain water for watering landscape or garden

5 gallons

Use a broom instead of a hose to clean driveways and sidewalks (twice weekly)

22 gallons

Water yard after midnight and before 10 a.m.

20 gallons

Adjust sprinklers to reduce overspray onto sidewalks, driveways, etc.

20 gallons

Add mulch (2-3 inches) around trees and plants (1000 sq ft)

25 gallons

Use automatic car wash that recycles water instead of hand washing cars (weekly)

18 gallons

# Dairy Month Poster Contest

June is National Dairy Month and The Dairy Alliance invites Georgia 4-H'ers to design a poster that informs people of the health benefits of milk. The purpose of the poster is to convince people to consume more dairy products.

The theme for this year's contest is  
**"Around the Dairy in Seven Days"**

Prizes that will be awarded by the Dairy Association are:  
**first prize—\$100, second prize—\$75 and third prize—\$50.**

To enter follow the rules listed in your newsletter and submit your poster to your school by **May 12, 2023.**



# **Cloverleaf District Project Achievement**

Baleria Alejandro: Current People  
Ayana Campbell: Crafts  
Isabella Contreras Vazquez: Photography  
Khylie Cox: Crafts  
Emerith Cruz: Crafts  
Jocelyn Daniel: Clothing & Textiles  
Emerson DeDufour: Interior Design  
Keinon Diaz: Geology  
Walter Driscoll: Geology  
Anna Ford: Outdoor Survival Skills  
Natali Guzman: General Science  
Patrick Harris: Current People  
Adalyn Klockman Stuber: Food for Health  
Zomaris Lowe: Workforce Prep  
Philip Luu: Plants, Soils, Fertilizers  
Benny Padilla: Companion Animals

Derek Pokoski: Dairy Foods  
Isabella Ramirez: Workforce Prep  
Catherine Ridley: Performing Arts  
Nola Rivenbark: Human Development  
Dy'nai'ja Robbins: Companion Animals  
Caleb Saviano: Historic Places  
Birch Smith: Sports - Individual  
Juan Suarez-Rico: Horse  
Iris Sutherland: Health  
Luis Tejada: Computer Information  
Annalea Tillman: Dog Care  
Ezekial Turner: Computer Information  
Autumn Willis: Marine and Coastal Ecology



# Photography Contest



Focus on Agriculture— Autumn Gleason, Timothy Rd. Elementary  
General 4-H Photography—Wyatt Hudson, Barrow Elementary



# MilkMake Recipe Winners

**Best Overall**: The Ultimate Shake, Mica Suiza; WC Barrow Elementary

**Most Unusual**: Potato Milk, Ayden Stephens; Barnett Shoals Elementary

**Most Creative**: Watermelon Lightning, Triston Nesbitt; HB Stroud  
At the End of the Rainbow, Shenandoah Violes; Winterville

**Most Nutritious**: Berry Milkshake, Kelsie Nguyen; St. Joseph Elementary





# **SIGN UP FOR 4-H IN MIDDLE SCHOOL!**



You can still attend 4-H Programs during the school day next year at your Middle School!

4-H meets in a 6th grade Teacher's classroom during your Connections Class time once a month.

Listen for sign up information at the beginning of the year.

First school meeting is at the end of September.



# Upcoming 4-H Activities



- Dairy Month Poster Contest: due May 12
- Middle School 4-H: Remember to signup next school year!

# 4-H Pledge



I pledge:

my HEAD to clearer thinking

my HEART to greater loyalty

my HANDS to larger service and

my HEALTH to better living

for my club, my community, my country and  
my world