**Agriculture in Society**

**Unit 5:** Natural Resources in Agriculture

Enrichment Activity 3 – Water Sources in Oklahoma

*Directions:* You will understand the importance of Oklahoma’s major water sources—including rivers, lakes, reservoirs, and aquifers—and how they support people, wildlife, and ecosystems. Complete the worksheet below.

## **Major Surface Water Sources**

Match each water source to the correct description.

| A. Lake Texoma | B. Arkansas River | C. Lake Eufaula | D. Red River | E. Illinois River |

1. \_\_\_\_\_ One of the largest man-made lakes in the U.S., located in southeastern Oklahoma.
2. \_\_\_\_\_ A river that flows through Tulsa and continues into the Mississippi River.
3. \_\_\_\_\_ A scenic river in eastern Oklahoma known for clear water and outdoor recreation.
4. \_\_\_\_\_ A river that forms most of the border between Oklahoma and Texas.
5. \_\_\_\_\_ A major lake known for fishing, boating, and being a water supply source.

## **Map Activity – Label Key Water Sources**

Using a blank map of Oklahoma locate and label the following:

* Lake Texoma
* Lake Eufaula
* Arkansas River
* Red River
* Illinois River

*Bonus:* Add and label a water source closest to your community.



## **Surface Water Facts**

Answer the following questions using research or prior knowledge:

1. What is the largest lake in Oklahoma by surface area?
2. Which major river runs through both Tulsa and the state of Arkansas?
3. In what region of Oklahoma can you find the Illinois River?
4. Why are lakes like Lake Eufaula important to Oklahomans?  
    a) Gold mining  
    b) Water storage, recreation, and electricity  
    c) Mountain climbing
5. Which lake or river is shared between Oklahoma and Texas?

## **Part 4: Groundwater and Aquifers**

**Aquifers** are underground layers of rock or sediment that hold water. They are important sources of drinking water and irrigation in Oklahoma. One of the most important aquifers in the state is the **Ogallala Aquifer**, which lies beneath the western part of Oklahoma and several other states.

1. What is an aquifer?
2. Name another major aquifer found in Oklahoma.
3. How do people use water from aquifers?
4. Why is it important to protect and conserve groundwater from aquifers?

## **Critical Thinking**

Answer in complete sentences.

1. Why is access to clean water important for both people and wildlife in Oklahoma?
2. What are two things people can do to help protect Oklahoma’s rivers, lakes, and aquifers?  
    a) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
    b) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_