

## ***Firewise in the Classroom Community Assessment Process***

### **Student Learning Goals**

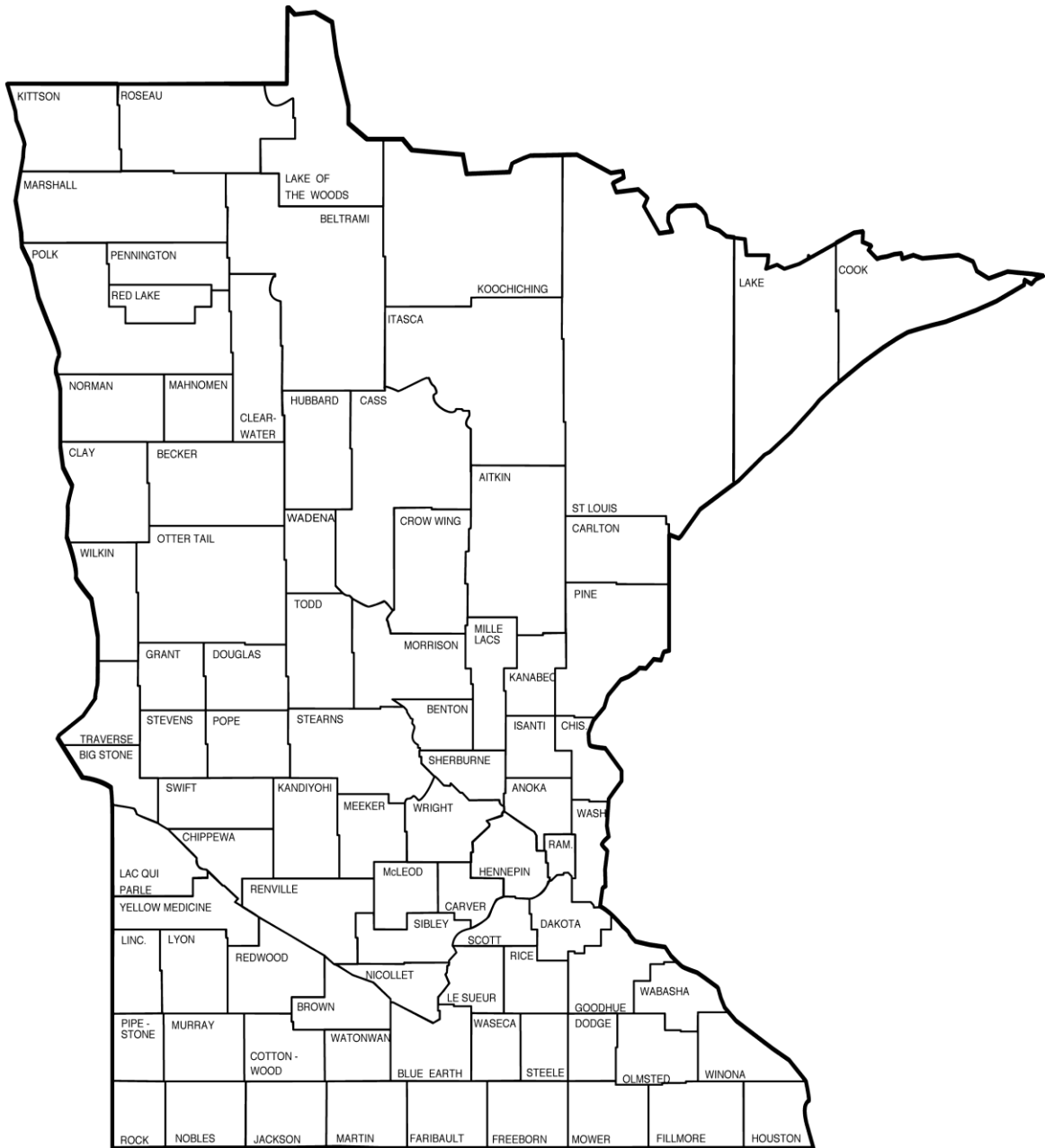
- Understand what wildfire is.
- Understand the causes and effects of wildfire.
- Understand the factors that put homes and communities at risk of wildfire.
- Understand what Firewise is, and how Firewise can help homeowners and communities reduce the risk of wildfire.
- Use GIS (Geographic Information Systems) to assess a community's risk of wildfire.
- Communicate Firewise information to homeowners and the community.

## Section 1: What is Wildfire?

Definition of wildfire:

## Section 2: Minnesota Wildfire Locations

*Map 1 - Minnesota Wildfire Locations Prediction*



### **Section 3: The Science of Wildfire**

Fire Triangle. Sketch and label each side of the triangle.

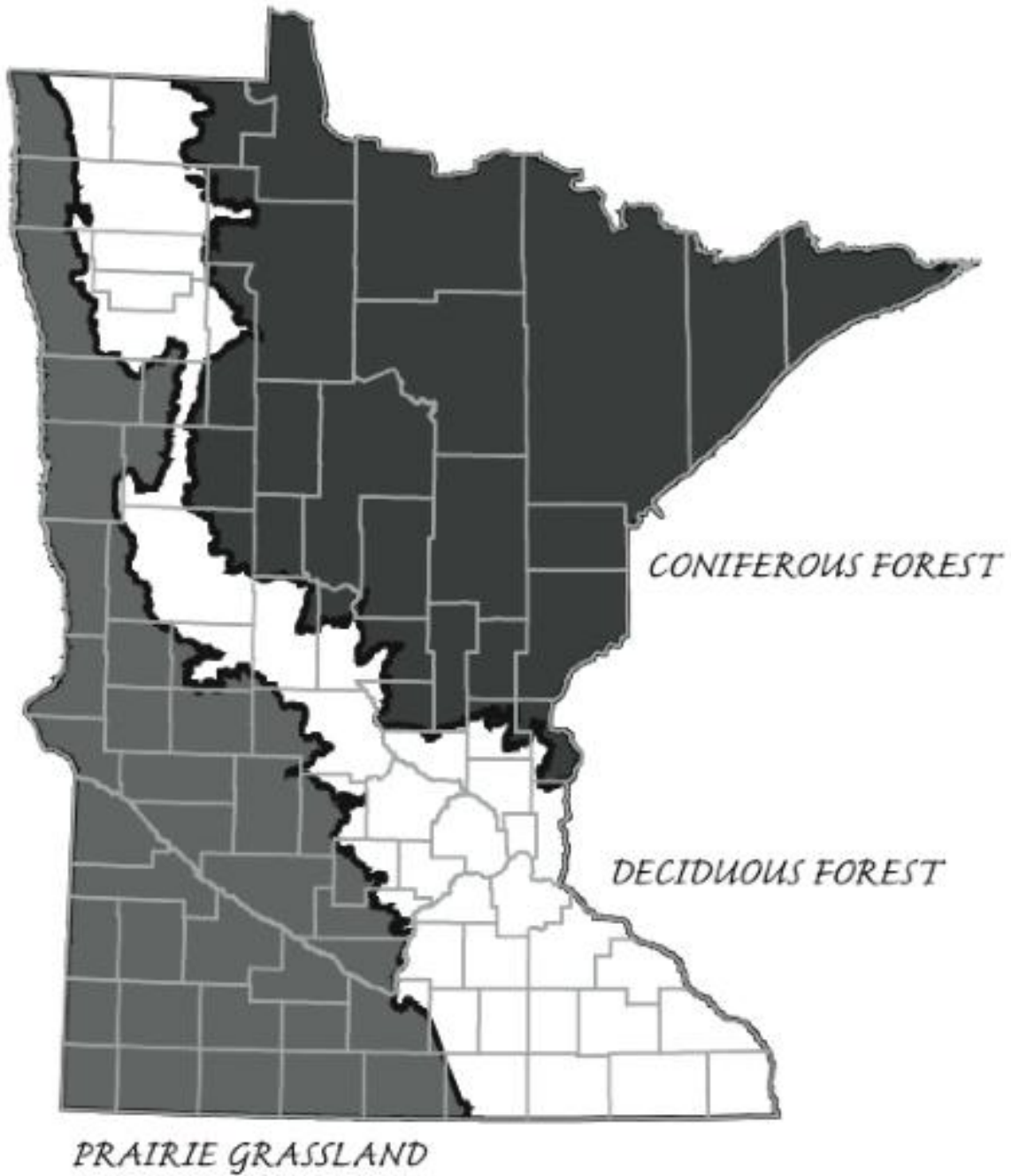
- What is a fire's source of oxygen?
- What are a fire's potential sources of heat?
- What are a fire's potential sources of fuel?

Fire Behavior Triangle. Sketch and label each side of the triangle.

- How can weather affect the occurrence and spread of wildfire?
- Which types of fuels feed a wildfire?
- How can topography affect the occurrence and spread of wildfire?

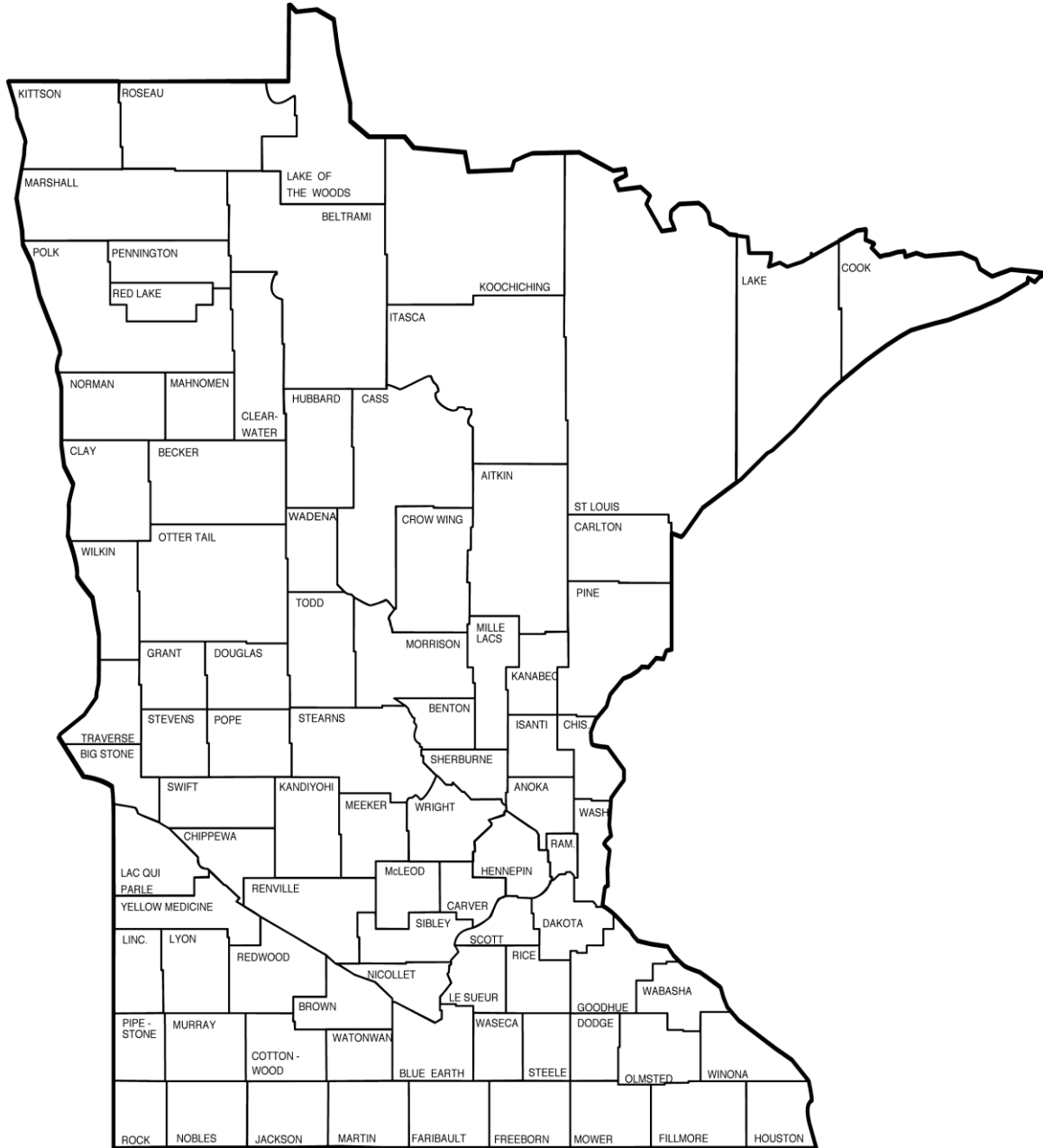
Section 4: Minnesota Biomes

# Minnesota Biome Map



## Section 5: Checking Your Prediction

Map 2 - Minnesota Wildfire Locations



## **Section 6: Asking Geographic Questions about Minnesota Wildfires**

Answer the questions below based on today's activity.

Question #1: Where are most of Minnesota's wildfires located?

Question #2: Why are wildfires occurring in those locations?

Question #3: What are the physical and human effects of wildfires?

## **Section 7: Assignment - Recent Wildfire Research.**

Add depth to your responses above by researching a recent wildfire or wildfires in Minnesota or the U.S.

1. Date and location of wildfire(s):
2. Name of wildfire:
3. Cause of wildfire:
4. Specific physical and human effects of wildfire: