

Adaptation means changing how we plan, build, or act so communities can stay safe and resilient during extreme weather events due to a changing climate.

TASK: Your group will design a simple adaptation plan for your scenario.

1. What Climate Impact Are You Facing?

Example: drought, flood, storm, wildfire smoke, heat event

Our current challenge:

2. a) Who Is Affected? (Select all that apply)

Explain how they are affected...

Farmers / Agriculture

Transportation

Tourism

Communities / Homes

Indigenous peoples

b) Your Location.

3. Adaptation Actions: Create 3 practical solutions your community could use.

Examples of Climate Adaptions:

- Flood Protection
 - Restore **wetlands and natural floodplains** so they can absorb excess rainwater and reduce flooding.
 - Install **rain gardens, permeable pavement, and rain barrels** to help water soak into the ground instead of overwhelming storm drains.

- Wildfire Resilience
 - Create **defensible space** by clearing dry brush and dead trees around homes.
 - Use **controlled or cultural burns** to safely reduce fuel in forests and lower wildfire risk.

- Preparing for Sea Level Rise
 - Protect and restore **coastal wetlands and dunes**, which act as natural barriers against storms and rising water.
 - Limit or relocate **development in low-lying coastal areas** that are at risk of flooding.

- Climate-Resilient Buildings
 - Update **building codes** so roofs and structures can handle heavier snow, stronger winds, or other extreme weather.
 - Install **green roofs or rooftop gardens** to help cool buildings and reduce heat in cities.

- Local Food
 - Support **community gardens and urban agriculture** so cities can produce more local food.
 - Grow **climate-resilient crops** that can survive drought, heat, or changing weather patterns.

- Emergency Management
 - Encourage families to prepare **72-hour emergency kits** with water, food, and supplies.
 - Develop **community alert systems and evacuation plans** for floods, wildfires, or extreme storms.

Our Adaptation Plan:

1. _____
2. _____
3. _____

4. Traditional Ecological Knowledge (TEK)

How might knowledge from observing the land, water, animals, moon cycles, constellations or seasons help people prepare for the seasons and the weather?

Example: watching river levels, wind patterns, or seasonal changes.

5. How will this help make the community more resilient?
