Name:

# Lesson 1 – Predicting Future Wildfire in Nevada **What Will Wildfire Look Like in the Future?**

Date:

Science Period:

## Instructions

Use the climate predictions maps for Nevada to answer the following questions and create your own prediction for what wildfire will be like in Nevada in 2030-2059. Please name specific figures in your Claim Evidence Reasoning (CER) evidence section.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Pick three maps and describe the impact they might have on wildfire in Nevada. | | | | |
| Figure Number | Circle the part(s) of the fire behavior triangle impacted | How could this affect wildfire in Nevada? | | |
|  | Fuel Topography  Weather/Climate |  | | |
|  | Fuel Topography  Weather/Climate |  | | |
|  | Fuel Topography  Weather/Climate |  | | |
| **2. Complete a Claim Evidence Reasoning about what wildfire will be like in 2030-2059.** | | | |
| Claim: For example, will there be more, less or the same amount of wildfire? Will the wildfires be more or less severe? | | | |
| Evidence: | | | |
| Reasoning: | | | |
| **3. How could we make our predictions of future wildfire in Nevada more accurate? What other types of information would be helpful to know?** | | | |
|  | | | |
| **4. Compare your answers to the Nevada Climate Initiative Strategic Prediction.** | | | |
| **What was one similarity between your prediction and this one?** | | | **What was one difference between your prediction and this one?** |
|  | | |  |
| **5. Write one question you have about future wildfire in Nevada after reading this prediction written by climate scientist Stephanie McAfee Ph.D.** | | | |
|  | | | |
| **6. Describe an action that could help decrease the severity of future wildfires. Use what we know about future climates and the fire behavior in your answer.** | | | |
|  | | | |
| **7. How does your action impact part(s) of the fire behavior triangle? (Weather/Climate, Fuels, Topography)** | | | |
|  | | | |
| **8. How would that action decrease the severity of wildfires?** | | | |
|  | | | |