Name/Period: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What Climate Change Means for Utah**

What could possibly increase and decrease if climate change trends continue in Utah?

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What has been the cause for the warming climate? And how much has our planet warmed in the last 50 years?

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How has the release of green house gases changed the world’s oceans and ice cover?

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Why would the diminished snowpack change Utah’s climate?

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How will irrigated farmland and cattle ranching change if these trends continue?

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Why are wildfires expected to increase?

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How will forest trees be affected by warmer climate?

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Name two environmental factors that can affect human health?

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**Climate Change in the U.S. South West**

Approximately how many people live in the Southwest region of the United States?

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What is the projected annual average temperature rise by the end of the century?

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How will the drought season be affected the Southwest?

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How does the Southwest gain the majority of its water? What is happening to that water source?

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Based on the data provided how has this change affected the Sierra Nevada Mountains located in California?

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How could climate change affect the native tribes on their community lands?

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How has drought and rising temperatures affected wildfires in the Southwest?

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How will crops be affected by changes to the climate?

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Why is this important for the distribution of crops, fruits, and vegetables in the United States?

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Based on the readings and concepts you have learned in class, what are some regional solutions to some of the issues Utah and the Southwest will have to address as climate’s change? Give three solutions.

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