# Model Programming Thomas, Bri, Kimberly, Brandon, Jessica, Antonio, Mildred

Tomorrow, you are going to be playing the role of **GREENHOUSE GASES IN THE ATMOSPHERE.** Fill in the table to describe how your component of the climate system **(GREENHOUSE GASES IN THE ATMOSPHERE)** would respond to the listed parameter. For every response, be sure to consider **why** you would respond that way (but no need to write that out).

|  |  |  |
| --- | --- | --- |
| **Parameter** | **How would you respond if this parameter INCREASED?  (For example, what would happen to the amount of greenhouse gases in the atmosphere if Earth’s human population increased?)** | **How would you respond if this parameter DECREASED? (For example, what would happen to the amount of greenhouse gases in the atmosphere if Earth’s human population decreased?)** |
| Average global temperature |  |  |
| Average global precipitation |  |  |
| Global glacial coverage |  |  |
| Cloud cover |  |  |
| Volcanic eruptions |  |  |
| Earth’s human population |  |  |
| Sea level |  |  |
| Vegetation (plants) |  |  |

# Model Programming Mario, Monica, Adan, Kevin, Rashelle, Dre

Tomorrow, you are going to be playing the role of **GLACIERS.** Fill in the table to describe how your component of the climate system **(GLACIERS)** would respond to the listed parameter. For every response, be sure to consider **why** you would respond that way (but no need to write that out).

|  |  |  |
| --- | --- | --- |
| **Parameter** | **How would you respond if this parameter INCREASED?  (For example, what would happen to glaciers if Earth’s human population increased?)** | **How would you respond if this parameter DECREASED? (For example, what would happen to glaciers if Earth’s human population decreased?)** |
| Average global temperature |  |  |
| Average global precipitation |  |  |
| Greenhouse gases in the atmosphere |  |  |
| Cloud cover |  |  |
| Volcanic eruptions |  |  |
| Earth’s human population |  |  |
| Sea level |  |  |
| Vegetation (plants) |  |  |

# Model Programming Kyle, Gianni, Brittany, Danny, James, Danny

Tomorrow, you are going to be playing the role of **OCEAN TEMPERATURE AND SEA LEVEL.** Fill in the table to describe how your component of the climate system **(OCEAN TEMPERATURE AND SEA LEVEL)** would respond to the listed parameters. For every response, be sure to consider **why** you would respond that way (but no need to write that out).

|  |  |  |
| --- | --- | --- |
| **Parameter** | **How would you respond if this parameter INCREASED?  (For example, what would happen to ocean temperature and sea level if Earth’s human population increased?)** | **How would you respond if this parameter DECREASED? (For example, what would happen to ocean temperature and sea level if Earth’s human population decreased?)** |
| Average global temperature |  |  |
| Average global precipitation |  |  |
| Global glacial coverage |  |  |
| Greenhouse gases in the atmosphere |  |  |
| Cloud cover |  |  |
| Volcanic eruptions |  |  |
| Earth’s human population |  |  |
| Vegetation (plants) |  |  |

# Model Programming Marvyn, Aileen, Norma, Jawariyah, Javier, Tommy

Tomorrow, you are going to be playing the role of **CLOUDS AND PRECIPITATION.** Fill in the table to describe how your component of the climate system **(CLOUDS AND PRECIPITATION)** would respond to the listed parameters. For every response, be sure to consider **why** you would respond that way (but no need to write that out).

|  |  |  |
| --- | --- | --- |
| **Parameter** | **How would you respond if this parameter INCREASED?  (For example, what would happen to clouds and precipitation if Earth’s human population increased?)** | **How would you respond if this parameter DECREASED? (For example, what would happen to clouds and precipitation if Earth’s human population decreased?)** |
| Average global temperature |  |  |
| Global glacial coverage |  |  |
| Greenhouse gases in the atmosphere |  |  |
| Volcanic eruptions |  |  |
| Earth’s human population |  |  |
| Sea level |  |  |
| Vegetation (plants) |  |  |

# Model Programming Diana, Aaron, Cindy, Andrea, Erick, Sean, Jallal

Tomorrow, you are going to be playing the role of **AVERAGE GLOBAL AIR TEMPERATURE.** Fill in the table to describe how your component of the climate system **(AVERAGE GLOBAL AIR TEMPERATURE)** would respond to the listed parameters. For every response, be sure to consider **why** you would respond that way (but no need to write that out).

|  |  |  |
| --- | --- | --- |
| **Parameter** | **How would you respond if this parameter INCREASED?  (For example, what would happen to air temperature if Earth’s human population increased?)** | **How would you respond if this parameter DECREASED? (For example, what would happen to air temperature if Earth’s human population decreased?)** |
| Average global precipitation |  |  |
| Global glacial coverage |  |  |
| Greenhouse gases in the atmosphere |  |  |
| Cloud cover |  |  |
| Volcanic eruptions |  |  |
| Earth’s human population |  |  |
| Sea level |  |  |
| Vegetation (plants) |  |  |

# Model Programming Kim, Esa, Jenika, Terrie, Jasmine, Chris

Tomorrow, you are going to be playing the role of **VEGETATION (PLANTS).** Fill in the table to describe how your component of the climate system **(VEGETATION)** would respond to the listed parameters. For every response, be sure to consider **why** you would respond that way (but no need to write that out).

|  |  |  |
| --- | --- | --- |
| **Parameter** | **How would you respond if this parameter INCREASED?  (For example, what would happen to the amount of vegetation if Earth’s human population increased?)** | **How would you respond if this parameter DECREASED? (For example, what would happen to the amount of vegetation if Earth’s human population decreased?)** |
| Average global temperature |  |  |
| Average global precipitation |  |  |
| Global glacial coverage |  |  |
| Greenhouse gases in the atmosphere |  |  |
| Cloud cover |  |  |
| Volcanic eruptions |  |  |
| Earth’s human population |  |  |
| Sea level |  |  |