# Module: Physical Geography*,* Topic Application: Climate Graph Comparison Template

## Instructions

Using the data provided below, create climate graphs for Rome, Italy, and Vienna, Austria. First, place the months of the year on the *x*-axis, and place the average temperature and average precipitation on the *y*-axes. Then, graph the average precipitation for each month using a bar graph, and graph the average temperature using a line graph. Note that the data listed in the tables below is measured in degrees Fahrenheit and inches. When creating and analyzing climate graphs, it is important to be aware of the units of measurement being used.

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| **ROME, ITALY** |
| **Month** | **Temperature (°F)** | **Precipitation (inches)** |
| January | 45 | 3.2 |
| February | 47 | 2.7 |
| March | 51 | 2.6 |
| April | 57 | 2.6 |
| May | 64 | 2.2 |
| June | 71 | 1.6 |
| July | 76 | 0.7 |
| August | 76 | 1.0 |
| September | 70 | 2.5 |
| October | 62 | 5.0 |
| November | 53 | 4.4 |
| December | 46 | 3.0 |

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| **Month** | **Temperature (°F)** | **Precipitation (inches)** |
| January | 29 | 1.5 |
| February | 33 | 1.3 |
| March | 40 | 1.8 |
| April | 50 | 2.0 |
| May | 59 | 2.8 |
| June | 65 | 2.7 |
| July | 68 | 3.1 |
| August | 67 | 2.7 |
| September | 60 | 2.0 |
| October | 50 | 1.9 |
| November | 39 | 1.8 |
| December | 32 | 1.8 |





## Analyzing the Climate Graphs

### Climate Factors That Affect Rome, Italy

Locate Rome, Italy on a map. Consider the factors that affect climate, and list three climate factors that you think have an impact on Rome’s climate. For each factor, write one or two sentences explaining why you think the city’s climate is impacted.

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### Climate Factors That Affect Vienna, Austria

Locate Vienna, Austria on a map. Consider the factors that affect climate, and list three climate factors that you think have an impact on Vienna’s climate. For each factor, write one or two sentences explaining why you think the city’s climate is impacted.

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