**PRACTICE QUIZ – Example Answer for City F**

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| **Surface Features**  Snow/Ice or Soil/Water or Both  Student gives accurate explanation of the effect of surface features on climate for the city.  **(ex. presence of snow/ice or soil/water)** | NOTE: Because City F is between 30-60 degrees, it is seasonal & you MUST discuss BOTH summer & winter:   * Winter: City F is covered with **Snow/Ice during the winter** (**rubric choice)**  **making the climate COLDER** (**effect on climate)** because snow/ice **reflect the sun’s radiation** OR because snow/ice **have a high albedo.** **(cause/reason)** * **Summer:** City F is covered with **Soil/Water during the summer** (**rubric choice)**. This **makes the climate WARMER** (**effect on climate)** because soil/water **absorb the sun’s radiation** OR because soil/water **have a low albedo.** **(cause/reason)** |
| **Elevation**  Mountain or Sea Level  Student gives accurate explanation of the effect elevation has on climate for the city.  **(ex. mountains and/or effect of height above sea level)** | City F is at **sea level** (**rubric choice)** because it is not in the mountains. This **makes the climate WARMER** (**effect on climate)** because there are **more air molecules colliding due to higher gravity near earth’s surface. (cause/reason)** |
| **Latitude**  Latitude (closeness to equator)  Direct Light or Indirect Light or Both  Student gives accurate explanation of the effect latitude has on climate for the city.  **(ex. closeness to equator related to amount of solar radiation received)** | City F is around **35S degrees and half way between the equator & the poles (rubric choice)**. NOTE – You MUST discuss BOTH summer & winter:   * In the summer, City F is tilted towards the Sun and this **makes the climate WARM** (**effect on climate)** because it has **direct sunlight** * In the winter, City F is tilted away from the Sun and this **makes the climate COLDER** (**effect on climate)** because it has **indirect** (**cause/reason)**. |
| **Location**  Inland vs Coastal  Student gives accurate explanation of the effect location has on climate for the city.  **(ex. effect of coastal or inland location)** | City F is at **on the coast (rubric choice)** This **makes the climate milder , meaning it is not as hot in the summer or as cold in the winter as inland** (**effect on climate)** because **the ocean doesn’t heat up or cool down as fast as land** (**cause/reason)**. |
| **Winds**  What wind system?  Direction (From West or East?)  Precipitation (High or Low Pressure)  Student gives accurate explanation of the effect global winds have on climate for the city.  **(ex. effect of latitude on wind direction AND amount of precipitation)** | City F is **under the Prevailing Westerlies**:   * **Wind blows from West to East.** (**effect AND cause/reason on climate)** * It has **very little precipitation** **(effect)** because i**t is very close to 30 degrees where there’s high pressure, sinking air & no clouds.** (**cause/reason)**. |

**How did you do?**

* Were your answers accurate?
* Did you:
  + List the **rubric choice**?
  + Explain what the climate would be like **because of** that rubric choice?
  + Explain the **cause** of that type of climate?

**Did you think about the following BEFORE writing your answers? If not, these questions might help you be more thorough and accurate on the test:**

* What is the locations latitude?
  + Between 0-30 or 30-60 or 60-90 OR directly at ONE of those latitudes?
* Based on latitude:
  + Temperature:
    - Warm all year or cold all year or Seasonal?
  + Winds:
    - What Wind system is it under?
    - Direction: What direction does the wind blow, West to East or East to West?
    - Precipitation: Lots, little or medium? Why – explain using high/low pressure.