

Climate Worksheet

Name: _____
 Period: _____ Date: _____

I. Review

A. **Definitions:** **Weather** is the day by day variations in temperature, winds, pressures, and precipitation

Climate is the average seasonal weather for an area, usually described in terms of monthly averages of temperature and precipitation.

B. **Climate Elements:**

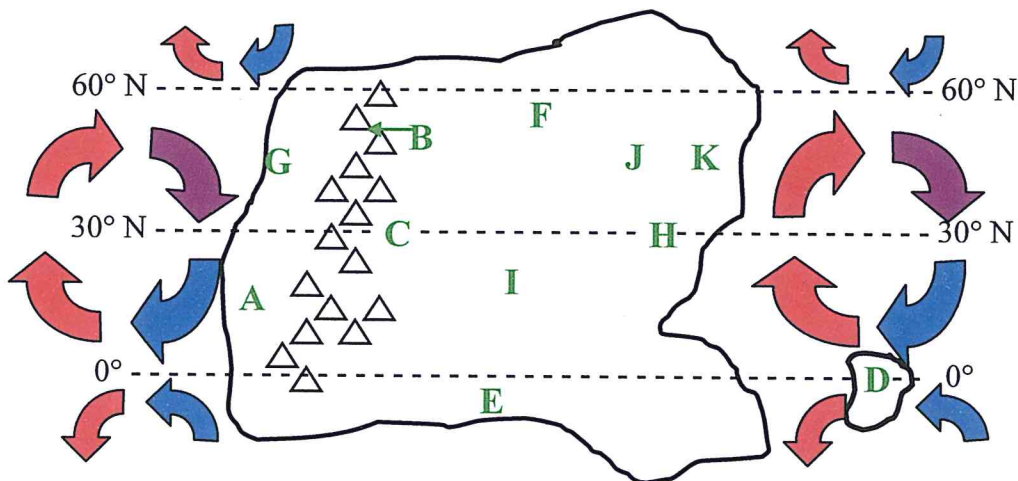
1. Temperature
2. Precipitation
3. Air Pressure and Winds

C. **Climate Controls:**

1. Latitude
2. Continentality
3. Elevation
4. Atmospheric Circulation
5. Oceanic Circulation
6. Mountain Barriers

D. "The **climate controls** act upon the **climate elements** to produce **different climates**."

II. This is a fictional continent. Use this map and six (6) climate controls to answer the True/False questions below, and then explain why they are true or false.



Ocean Currents: Red = Warm Blue = Cold Purple = Mild

- T F 1. Place A is relatively dry.
- T F 2. Place C is an area of low rainfall.
- T F 3. Place G receives more precipitation than place A.
- T F 4. Place F is warmer than place E.
- T F 5. Place I has cold winters, hot summers, and a large variation of temperature.
- T F 6. Place D has mild summers and winters, with little range in temperature.
- T F 7. Place H receives more precipitation than place A.
- T F 8. Place D is generally colder than place A or place F.
- T F 9. Place J has the same temperature all year round.
- T F 10. Place K has more variations of temperature between winter and summer than place G.