

Process for completing the Rain Shadow Effect Activity

1. Read through the introduction.
2. As you are completing Procedure Step #1 make an indication of what color should be used for this data point on Table 1. The colors are listed in Table 2. A suggested indicator includes uses a colored check mark by the precipitation level or elevation.
3. When plotting your data points as required in Procedure Step #2, be certain to mark the elevation **and** the precipitation level **above** the point on the graph. I suggest you use pencil to make the data points.
4. After you have connected the points find the area where the precipitation levels (from Table 2) will change. An example is the precipitation level changes between Station #2 and Station #3.
 - a. Color the area between the plotted line and the x-axis to indicate the level of precipitation, but not including the region where the levels change.
 - b. In the middle of the region where the levels change the two colors should be slightly blended or shaded showing the level is going from one level to another.
5. Once your graph is done, complete the questions using complete sentences. Remember to be specific in your explanations.