Climate Worksheet   Name **TEACHER'S KEY**_____

Compared to the ten year average, how many individual <u>years</u> are:

	Temperature	Precipitation
Above average	**5**	**6***
Below Average	**5**	**3***

*2000 was <u>equal</u> to annual average.

*Draw a graph of the average precipitation in **2002**. <u>Round to nearest the 1/10th of an inch (0.1).</u>*

Month

Precipitation (inches) *(y-axis)*
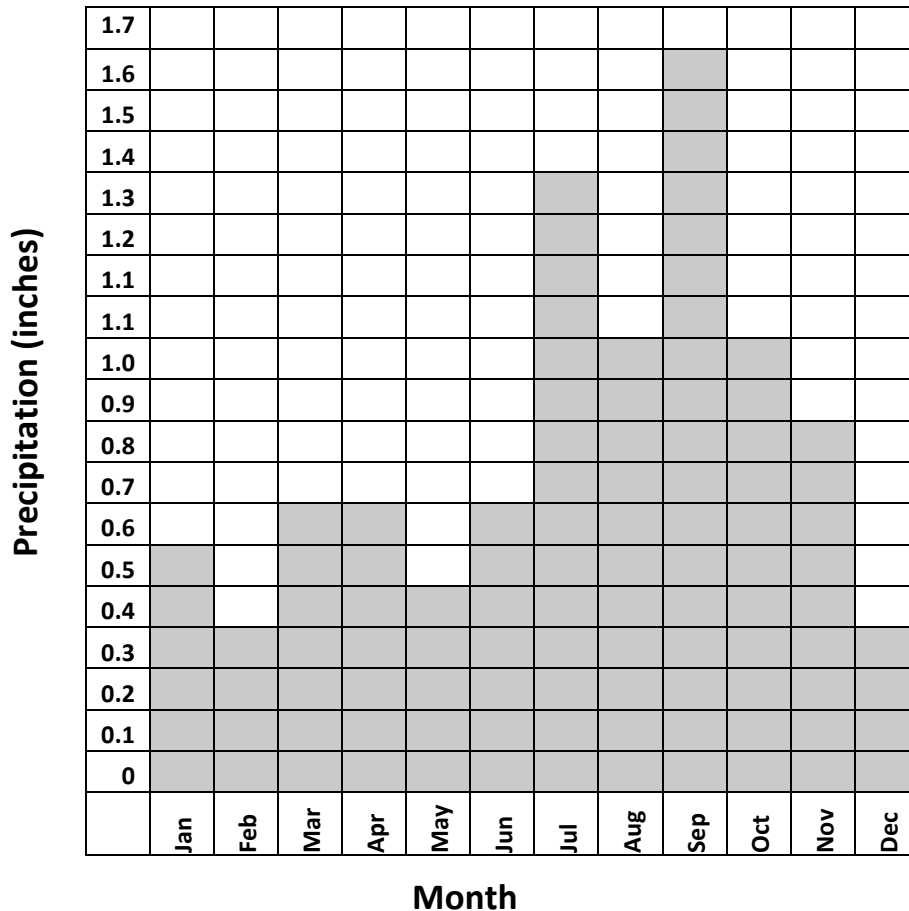
Use a separate piece of paper to answer these 6 questions

1 -Which months have the highest and lowest precipitation in 2002?   In 2002, the month with the most precipitation was Sept., and Feb. and Dec. had the least.

2 -Compared to the ten year precipitation average, how did 2002 rank? 2002 had the lowest precipitation out of the 10 years; 2002 was at or below the normal average for 10 out of 12 months. This was a drought year and the year the Hayman Fire burned.

3 -Using the 10-year table, which month of which year had the lowest average precipitation? January 2003 with 0.23 in

*Draw a graph of the average temperature in **November**. <u>Round to the nearest whole degree.</u>*

Temperature (°Fahrenheit)

39
38
37
36
35
34
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23
22
21
20

97 98 99 00 01 02 03 04 05 06
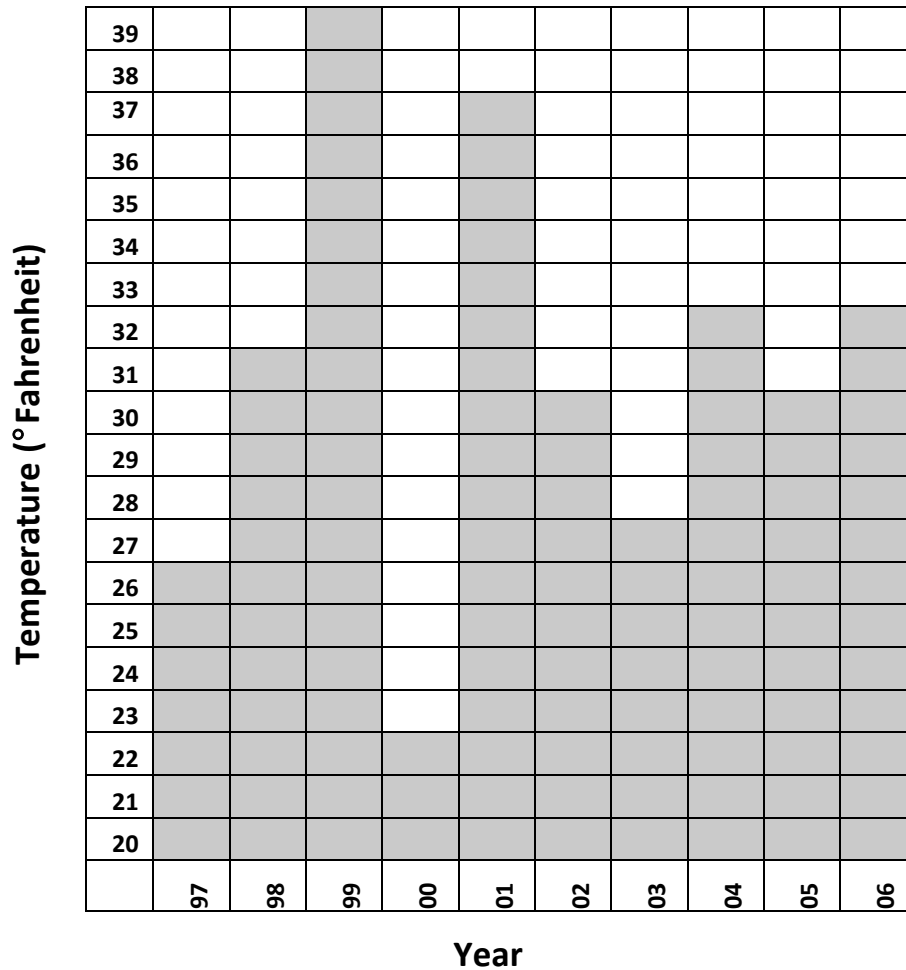
Year

4 -Looking at the 10 year information, which month of which year has the highest average temperature? July 2005, 85.37F

5 -What do you predict the average precipitation and temperature for the next 10 years will be? Why? Students may have many different ideas on this. They should support their hypothesis with references to the past ten years, type of climate trend (increases or decreases), and relate their hypothesis to current weather conditions they observe.

6 -Name two ways climate changes may impact the way you live and your environment. Students may be considering outdoor activities, travel, heating and cooling, environmental impacts on plants and animals, water supplies, etc. Their answer should relate to <u>what kind of change</u> occurs and <u>how it impacts</u> human environment. This might include less skiing, more expense for home heating, less gardening, poor fishing, etc.