

MICHIGAN DAYLIGHT LAB

/28pts

NAME _____

The amount of daylight hours in Michigan varies depending on the season. During the summer months of June, July, and August, the state typically experiences around 15 hours of daylight per day. In the winter months of December, January, and February, daylight hours are much shorter, with an average of around 9 hours of daylight per day. Spring and Fall seasons are 12 hours on average. The amount of daylight also changes gradually over the course of the year, with the longest days in June and the shortest in December.

January: 9 hours and 4 minutes	July: 15 hours and 2 minutes
February: 9 hours and 47 minutes	August: 14 hours and 23 minutes
March: 11 hours and 21 minutes	September: 13 hours and 23 minutes
April: 12 hours and 54 minutes	October: 12 hours and 15 minutes
May: 14 hours and 23 minutes	November: 10 hours and 36 minutes
June: 15 hours and 3 minutes	December: 9 hours and 3 minutes

Part 1:

Plot the hours of daylight on your graph. This will be a bar graph. Color the hours of darkness with a black colored pencil and the hours of light with a yellow fluorescent marker. (22pts)

Colors=2pts	x axis label= 2pts	y axis label=2pts
Accuracy= 12pts	title = 2pts	key = 2 pts

Part 2:

Using the internet (if needed), label the months that have the following events: summer solstice, winter solstice, fall equinox, and spring equinox. The date for these events is the 21st. (4pts)

Part 3:

Now, the next question is WHY do we have such a difference in hours of daylight throughout the year? Why isn't day 12 hours and night 12 hours? Is the Earth speeding up and slowing down in the way it spins? Get on your chromebook and research this question. You can watch a video or read a webpage. When you think you know the answer, write it below. (minimum of 2 sentences) (2pts)
