Microclimates investigation graphs

Temperature:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year | 7/8 | 9/10 | 11 | Spare | Field |
| 1 | 17 | 19.5 | 22.4 | 18 | 19.8 |
| 2 | 16.5 | 19.1 | 21.3 | 17 | 20.4 |
| 3 | 16.5 | 18.6 | 21.1 | 17 | 19 |
| 4 | 15.8 | 19.6 | 19.6 | 16 | 19.2 |
| 5 | 15.5 | 19.7 | 19.4 | 16 | 19.9 |
| Calculate the mean (add the values in the column and then divide by 5) |  |  |  |  |  |

Wind speed:

|  |  |
| --- | --- |
|  | **Wind speed (m/s)** |
| **Sample point** | 7/8 | 9/10 | 11 | Spare | Field |
| **1** | 2.4 | 2.2 | 0.9 | 2.2 | 1.5 |
| **2** | 3.2 | 1.9 | 1.6 | 2 | 5.6 |
| **3** | 4.5 | 2.3 | 2.4 | 1.7 | 3.3 |
| **4** | 2.6 | 2.3 | 1.7 | 0 | 4.7 |
| **5** | 1.4 | 1.2 | 2.7 | 1 | 4.4 |
| **6** | 2.4 | 2.2 | 0.9 | 2.2 | 1.5 |
| **Calculate the mean (add the values in the column and then divide by 6)** |  |   |   |   |   |

Title:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PLACE YOUR SCHOOL MAP HERE

0

100m

Analysis

Temperature:

Our results show that it is warmer at \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where the temperature is \_\_\_\_\_OC. The reasons this area of the school is warmest is because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The coldest area of the school was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where the temperature is \_\_\_\_\_OC. The reason for this is because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Wind speed:

The windiest area of the school was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where the mean wind speed was \_\_\_\_\_\_\_\_\_ m/s and its maximum wind speed was \_\_\_\_\_\_\_\_\_ m/s. The reason this area was the windiest is because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 The calmest area of the school was \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ where the mean wind speed was \_\_\_\_\_\_\_\_\_ m/s and its minimum wind speed was \_\_\_\_\_\_\_\_\_m/s. The reason this area was the windiest is because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Hints:** 1) think about the location of the sites around the school. 2) think about the aspect of the yard (does it face the sun) 3) what time of day did you collect your data and think about the factors that affect microclimate.