## Plants Quadrat Survey

Compare the plants that are growing within the different habitats using a quadrat. Carry out the following scientific investigation in two locations.

Place the quadrat on the floor in a random location.

## Quadrat One

1. Where is your quadrat?

By a path [ ] Under a tree [ ]
Open space [ ]
Mown Grass [ ]
Other $\qquad$ What habitat is it in $\qquad$
2. What percentage of your quadrat is covered with plants? ( $100 \%$ minus any empty areas/squares) $\qquad$ \%
3. How many different species of plants can you see? Don't forget to count grass as a species. $\qquad$
4. Can you name two of the species in your quadrat?
a) $\qquad$
b) $\qquad$
5. Can you see any insects in your quadrat? Are they pollinators?


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Flower shapes:

## Umbrella



Lipped


4 petal
Pea

Spike

5 petal

6. Record the number of different shapes and colours of the flowers in your quadrat in the table below, using the pictures above for help.

|  | Umbrella | Lipped | Tube | Daisy | Pea | 4petal | Spike | 5Petal |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Red |  |  |  |  |  |  |  |  |
| Yellow |  |  |  |  |  |  |  |  |
| Orange |  |  |  |  |  |  |  |  |
| Green |  |  |  |  |  |  |  |  |
| Blue |  |  |  |  |  |  |  |  |
| Pink |  |  |  |  |  |  |  |  |
| Violet |  |  |  |  |  |  |  |  |
| White |  |  |  |  |  |  |  |  |



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## Quadrat Two

1. Where is your quadrat?

By a path [ ]
Under a tree [ ]
Open space [ ]
Mown Grass [ ]
Other $\qquad$ What habitat is it in $\qquad$
2. What percentage of your quadrat is covered with plants? ( $100 \%$ minus any empty areas/squares) $\qquad$ \%
3. How many different species of plants can you see? Don't forget to count grass as a species $\qquad$
4. Can you name two of the species in your quadrat?
a) $\qquad$
b) $\qquad$
5. Can you see any insects in your quadrat? Are they pollinators?
6. Complete question 7 first, then state which location looked the best for pollinators/wildlife and why?
$\qquad$
$\qquad$


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Flower shapes:

Umbrella


Lipped



5 petal

7. Record the number of different shapes and colours of the flowers in your quadrat in the table below, using the pictures above for help.

|  | Umbrella | Lipped | Tube | Daisy | Pea | 4petal | Spike | 5petal |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Red |  |  |  |  |  |  |  |  |
| Yellow |  |  |  |  |  |  |  |  |
| Orange |  |  |  |  |  |  |  |  |
| Green |  |  |  |  |  |  |  |  |
| Blue |  |  |  |  |  |  |  |  |
| Pink |  |  |  |  |  |  |  |  |
| Violet |  |  |  |  |  |  |  |  |
| White |  |  |  |  |  |  |  |  |



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