

## How Many Pollinators? Recommended Grades: 3<sup>rd</sup>-5<sup>th</sup>

### Importance of Pollinators

*What is a pollinator?*

*Why are pollinators important?*

*What can you do to help pollinators?*



Pollination is the act of transferring pollen grains from the male anther of a flower to the female stigma which then results in the production of a seed. Pollinators help plants reproduce because they are animals or insects that transfer pollen from plant to plant. Tryout the activities below to find out more. **Love, laugh, and learn together!**

### Bees, Birds, Butterflies and More!

Head outside in search of pollinators! As a family, walk outside until you find at least 2 different species of flowers. Using the data collection sheet (pg. 2), a pencil, and a timer, write tally marks for each flower to record how many pollinators you see visit each flower. Once you have collected your data for each flower, create a graph (pg. 3) to represent your results. Create a presentation to share with your family about your observations and explain why certain variables (wind, temperature, etc.) may have affected the results. You can hypothesize before collecting data about what environments you think will be the most vs. the least suitable for pollinators. Don't forget to write down which pollinators you see under your tally marks!

### Take it Further & Further

Create a map that shows where all the flowers are in a specified area such as your backyard, your street, or at a park. Include the name of each of the flower (common and scientific) and use iNaturalist and/or PictureThis apps to help you to identify each species. Write a few paragraphs about whether it was easy or difficult for you to find flowers and consider how easy or difficult it would be for pollinators to also find flowers.

What is something your could do to help pollinators? Help save pollinators by planting a pollinator garden! Do research online to find out what plants are best for pollinators in our area, then order pollinator plant seeds/plants online. Plant them at your house to help provide habitat for your local pollinators and help save the pollinators!

Go to these websites for more info on pollinator plants:

- [Wildflower.org](http://Wildflower.org)
- [Txnativeplants.org](http://Txnativeplants.org)
- [Seedsources.com](http://Seedsources.com)

## How Many Pollinators? *Observations & Data Collection*

### Day 1

- Date:
- Time of day:
- Observation time (min):
- Shade/Sun
- Wind:
- Temperature (F):
- Flower #1:
- Flower #2:

Flower #1:

Flower #2:

### Day 2

- Date:
- Time of day:
- Observation time (min):
- Shade/Sun
- Wind:
- Temperature (F):
- Flower #1:
- Flower #2:

Flower #1:

Flower #2:

### Day 3

- Date:
- Time of day:
- Observation time (min):
- Shade/Sun
- Wind:
- Temperature (F):
- Flower #1:
- Flower #2:

Flower #1:

Flower #2:

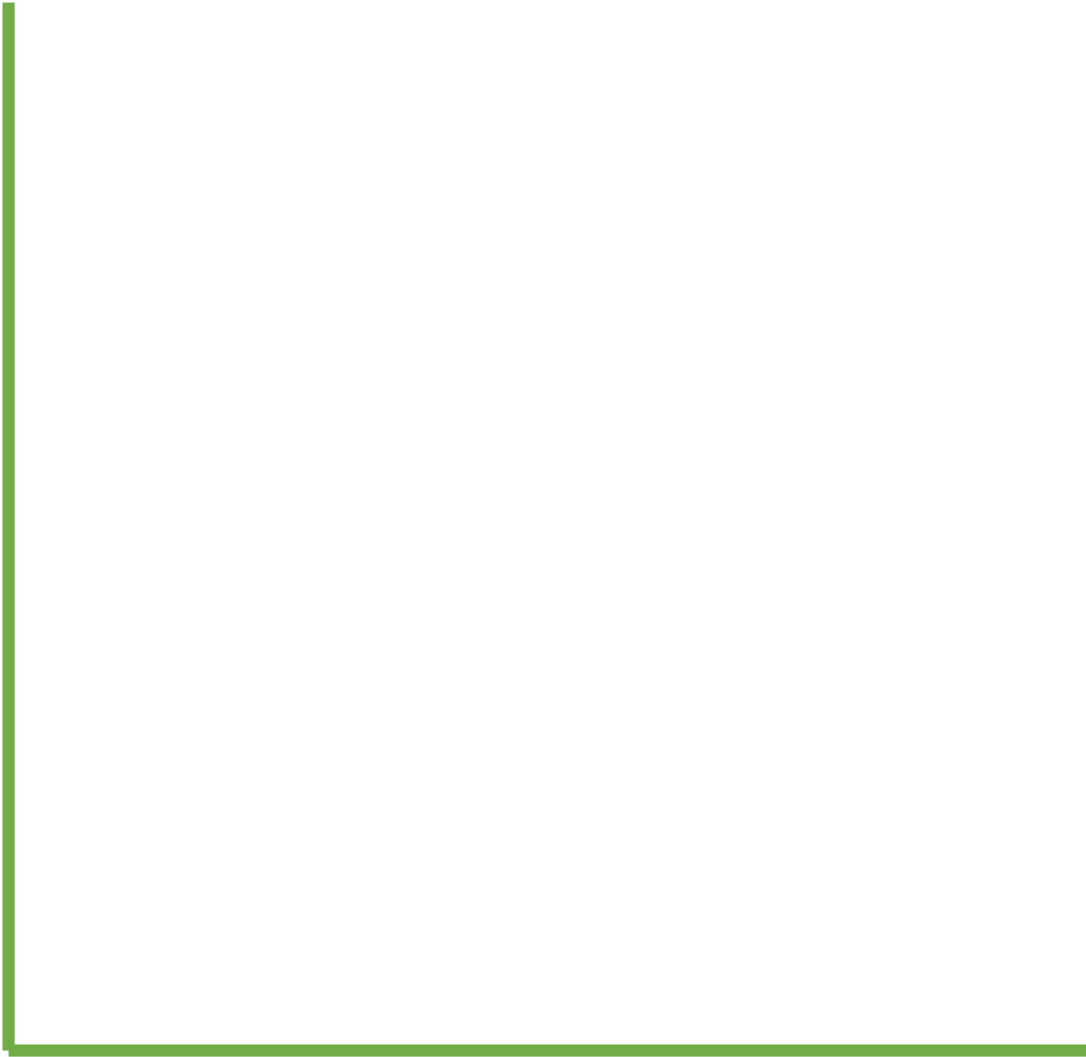


## How Many Pollinators?

### Graph



Number of Pollinators



Day

= Flower #1

= Flower #2