

ADOPT A SPOT

Goal: Create a pie chart showing the number of producers, consumers, and decomposers you observe.

1. Closely observe the biodiversity in and around your assigned spot. For each different species of organism that you observe, add the name (or a description of the organism) to the column for producers, consumers, or decomposers.

	producers	consumers	decomposers
<p>Tips:</p> <ul style="list-style-type: none"> ○ Record every organism—the plants, animals, fungi—that you observe. If you’re not sure of its name, describe it. ○ If there are more than one of the same species, record only one time. ○ Calculate the total number of different organisms in each column. 			
Number of species for each:			
Total number of species:			

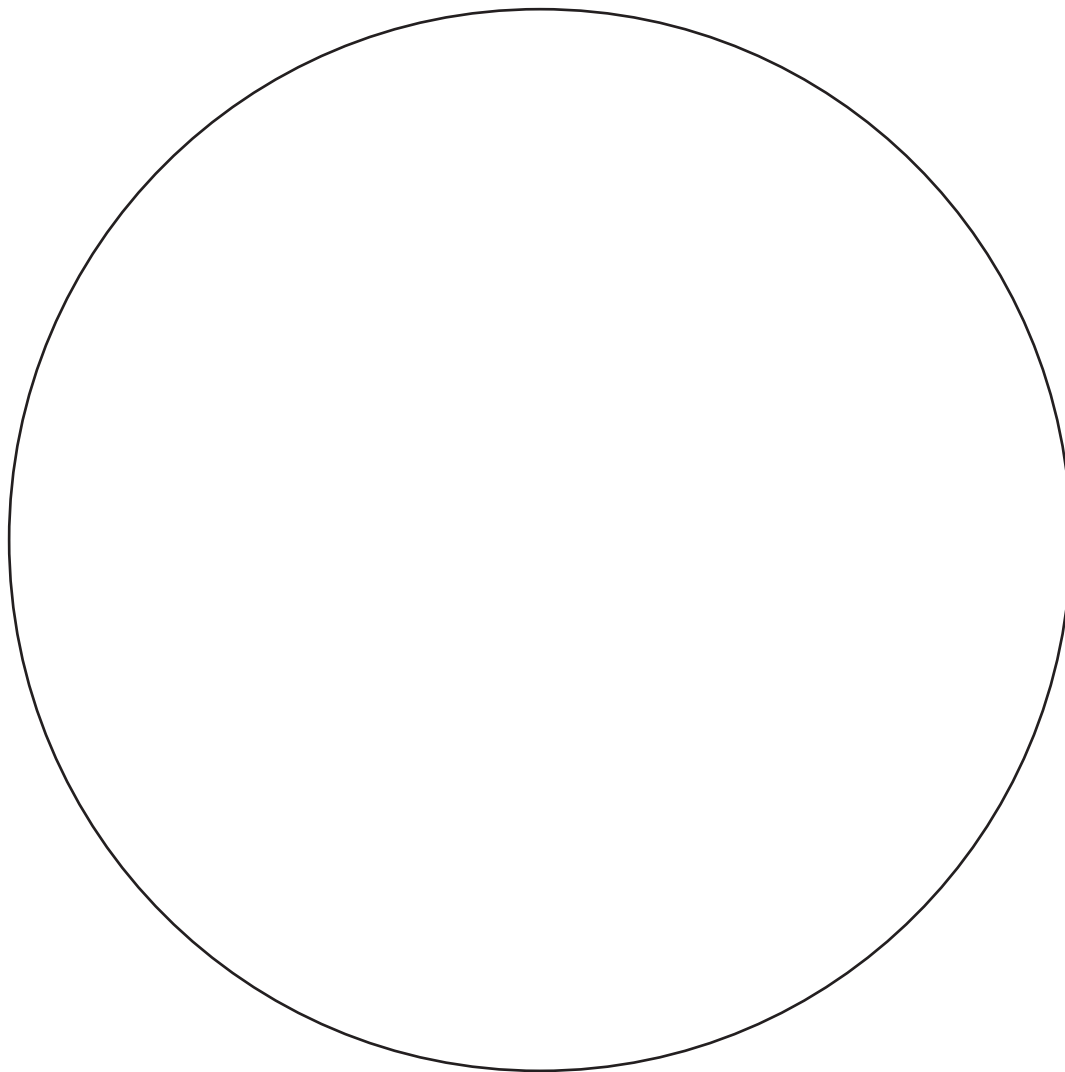


2. Calculate the percentages for each column from the chart in Step 1.

	% of producers = (# of producers/total) x100	% of consumers = (# of consumers/total) x100	% of decomposers = (# of decomposers/total) x100
Percentages			

3. Using the percentages above, create a pie chart to represent the area's biodiversity.

- Use **green** to represent producers, **red** to represent consumers, and **brown** to represent decomposers.
- Add labels, percentages, and a title to your pie chart.



4. Which group of organisms did you find the most?

5. Why do you think this group of organisms was the most common?

6. What might happen to the area you observed if...

the number of producers increased?

the number of consumers decreased?

the number of decomposers decreased?

