

Create Honeycomb and Provide Food Your Family is Counting on You!

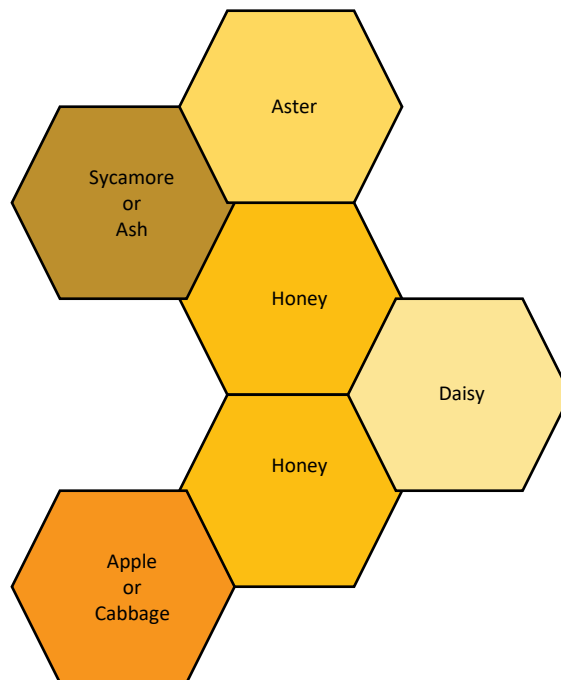
Name: _____

You are a honeybee, and winter is quickly approaching. As a honeybee you and your colony must quickly build a lot of honeycomb and fill it with pollen and nectar. This is necessary so you, your queen, and your family will have food to eat over the winter months. The pollen will provide protein, and the nectar will become honey. Your challenge is to create hexagonal honeycomb cells and put pollen and nectar into them.

Following the example provided in the box, you are to create at least three additional hexagonal shapes. You will need to use a ruler because each hexagon must be the same size as the existing cells and fit directly next to other cells. Your measurements must be accurate to correctly make the comb. Once you complete your cells, you will use a colored pencil to fill one of your cells with pollen. You will then fly to other parts of the hive (the classroom) and fill in one cell in each of your classmates' cells. Different colors represent pollen from the different trees and flowers. Use the pollen that you will like your honey to taste like.

Remember: Honeybees work very well with each other. If you are finished, and someone in your family is having problems making their cells, you can be a helper bee and explain to them how you completed your hexagonal cells.

NOTE: Colors represent trees and flowers identified in the cells. Answer questions on the next page.



Create Honeycomb and Provide Food Your Family is Counting on You!

Were you able to complete the three hexagonal shapes? Yes or No

What was the length of each side of the hexagon shape? _____

What problems did you experience creating your shapes?

What did you do to overcome those problems?

What would you do differently if you were assigned this challenge again?
