

Name: _____ Date: _____

WHAT'S THE BUZZ WITH THE BEES?

1. Why are bees important for agriculture/farming?

_____.

2. According to the experts that study bees, what might be causing the decline of commercial beehives?

_____.

3. Explain why higher genetic diversity in a population may lead to a more successful population:

_____.

4. What is coevolution and how did flowering plants coevolve with bees?

_____.

5. Why can the use of commercial beehives sometimes be more harmful than beneficial?

_____.

6. What is one possible solution to the declining commercial beehives? _____

_____.

7. What has caused the decline of most feral beehives? _____

_____.

8. What was found from Doctor Lehrman's studies in Springfield MA?

_____.

9. What might be one possible explanation for finding fewer bee species when the lawn was mowed every 3 weeks compared to every 2 weeks? _____

GRAPHING EXERCISE: PERCENTAGE OF HIVE AFFECTED BY CCD 2011-2018

Create a line graph or a bar graph using the chart at right to depict the trends of CCD on a sample of commercial beehives from the year 2011 to 2018.

Be sure to label your x-axis and y-axis (reminder: the x-axis should always be the time/year in order to show the numbers over time).

Staple your graph to this packet.

Year	Percentage of beehives lost to CCD
2011	36%
2012	38%
2013	39%
2014	42%
2015	40%
2016	43%
2017	45%
2018	46%

10. Do you see any **trends** in your graph? Explain: _____

11. **Predict** the percentage of bees that may have been affected by CCD for 2019-2020: _____

Mow the lawn every two weeks!

Bees love goldenrod and sunflowers. Plant some!

BUY THE UGLY FRUIT TO SHIFT THE FOCUS AWAY FROM PESTICIDES.

Keep native plants in your yard!



12. How can **you** help the bees?

9. What might be one possible explanation for finding fewer bee species when the lawn was mowed every 3 weeks compared to every 2 weeks?

How can you help the bees? Here's what scientists are suggesting:

Mow the lawn every two weeks!

Bees love goldenrod and sunflowers. Plant some!

BUY THE UGLY FRUIT TO SHIFT THE FOCUS AWAY FROM PESTICIDES.

Keep native plants in your yard!



10. How can **you** help the bees?
