Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bird Beak Game Worksheet

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Weather Scenario 3

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 1

Draw your starting population:

 Number of Birds

1 2 3 4 5 6 7

 Beak Size



12

11

10

 9

 8

 7

 6

 5

 4

 3

 2

 1

Draw your population after Year 1:

 Number of Birds

1 2 3 4 5 6 7

 Beak Size

What is the weather in Year 1? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did well? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did poorly? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw your population after Year 2:

 Number of Birds

 Beak Size

What is the weather in Year 2? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did well? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did poorly? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw your population after Year 3:

What is the weather in Year 3? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did well? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did poorly? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw your population after Year 4:

What is the weather in Year 4? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did well? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes did poorly? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Look back at the graphs for the starting population and Years 1, 2, 3, and 4.

Describe the change over time.

Which beak sizes became more common in the population? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which beak sizes no longer exist in the population? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Why did these changes occur? Use the weather and available seed sizes to explain your answer.

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Imagine the weather continued to change back and forth each year over the next few years just like it did in Years 1 through 4.

Draw your prediction of the population in the future:

Explain what you drew in the graph in words.

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