

## Data and Analysis Questions for “May the Best Beak Win”



**DATA TABLE 1: Organisms at the start**

	Number of Organisms to start
<b>Spoons</b>	at the start of round 3=
<b>Spatulas</b>	
<b>Scupulas</b>	
<b>Tweezers</b>	

**DATA TABLE 2: Number of organisms at the end of each round**

	Round 1	Round 2	Round 3	Round 4	Round 5
<b>Spoons</b>	X	X			
<b>Spatulas</b>					
<b>Scupulas</b>					
<b>Tweezers</b>					

Questions:

1. What happens to the animals that cannot compete as well as the other animals in the wild?
2. Sometimes animals that are introduced into an area that overcome the present animals in the area. Why do you think this happens?
3. Since the mutated spoon beak was able to get more than one bean at a time, what will gradually happen to the size of all spoon beaks? Why?
4. What four events in the activity contributed to evolution of the birds? See the directions sheet.
5. If all the beaks were equal in their ability to obtain food, and assuming there was no hurricane or any other random event:
  - a. Would the genes of the population change? Explain.
  - b. Would evolution occur? Explain.

Graph your Data Below:

Number of organisms  
at end of each round

