

## Natural Selection: A Bird's Phenotype & the SW Environment

Bird	Plummage	Body Size	Beak shape	Bird Most fit to survive in the SW	No. birds 0 yrs	No. Birds 50,000 years	No. birds 100,000 years	No. Birds 150,000 years
1								
2								
3								

After documenting the birds' phenotype for all 3 birds in the table above answer the following questions:

*In the southwest, your birds will find: seeds and edible insects for food, no predators, and light green foliage.*

1. Which bird would be most fit to live in the southwest region described above? Why? \_\_\_\_\_

2. Which bird will least likely survive in this southwest region? Why?

3. Document on the table the number of birds that survived after  
a. 50,000 years and the findings found on the simulation.

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b. 100,000 years and findings found on the simulation.

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c. 150,000 years and findings found on the simulation

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4. Were your answers to questions 1 and 2 correct? **Y or N** **circle one.**

5. After 150,00 years how did beak selection affect their ability to obtain food?

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6. After 150,00 years how did body size selection affect their ability to obtain food?

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7. After 150,00 years how did bird color selection affect their ability to avoid predators?