

Natural Selection of Teddy Grahams

(Read the directions on the green paper before proceeding)

Data:

Generation	Hands-up bears	Hands-down bears
1	11	1
After Predator	7	1
2		
After Predator		
3		
After Predator		
4		
After Predator		
5		
After Predator		
6		
After Predator		
7		
After Predator		
8		
After Predator		
9		
After Predator		
10		

Results and Conclusions

1. List the three conditions that are necessary for natural selection to occur.
2. Describe how this model met each of the three conditions.
3. Did natural selection occur? What is your evidence?
4. Can there ever be hands-up bears again? Why or why not?
5. What was the resulting adaptation from this natural selection?

6. What was the force driving the natural selection?
7. What was the factor that originally selected for (favored) hands-up bears? What happened when that factor was removed?
8. Why didn't natural selection occur before the predator was introduced?
9. How will the natural selection of the bears affect the predator?
10. Write a statement that summarizes how the genetic makeup of a population changes with changes in the environment.