Name:	Block:	Date:	List Control of the C
Types of Natural Selection			Small BEAKS/ZE medium large many
1. Limpets are marine organisms that h live their adult life attached to rocks. Or because the birds that prey upon them shelled limpets are well camouflaged. either light or dark rocks.	n light colored rock have a difficult time	x, white shelled e locating them.	limpets are at an advantage  On dark-colored rock, dark-
Name the type of selection:			
Draw a graph to represent this type of s	selection.		
Explain why this type of selection occur	red:		
2. In spiders, the average size is at an a are easily seen and captured by their prey to survive.			
Name the type of selection:			
Draw a graph to represent this type of s	selection.		
Explain why this type of selection occur	red:		
3. Woodpeckers feed by pecking holes year, the trees are invaded by insects the can't reach insects and starve. Only the	hat live deep withir	the trees. Wo	odpeckers with short beaks
Name the type of selection:			

Draw a graph to represent this type of selection.

Explain why this type of selection occurred:

\_\_\_\_\_

For the following description, identify the type of natural selection:

4. Favors one extreme form of a trait.

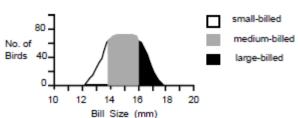
5. Selects AGAINST the intermediate forms.

6. Selects the average form of a trait.

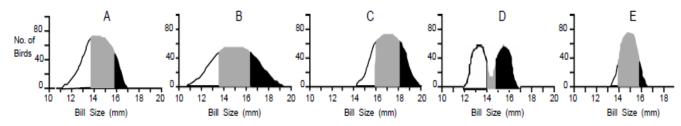
7. Favors the two extremes of a trait.

8. Selects against both extremes of the trait.

9. In crossbills, a finch-like bird that lives in mountain forests, bill size is directly related to the size of seeds that are eaten. Small seeds are eaten by birds with small bills while large seeds are eaten by birds with large bills. Birds with a bill of intermediate size feed on seeds of intermediate size.



A specific population of crossbills has a distribution similar to the one at the right. Questions # a-d present four types of environmental change that might impact this population. For each potential change, choose the distribution below that best suggests how this population of crossbills would adjust. Compare each question separately to the original starting population at the right. Any of the distributions (A-E) may be used once, more than once, or not at all.



 a. Over a 10-year period, various species of seed-eating ants invade the area and disproportionately consume a much greater number of intermediate-sized seeds.

b. For 15 growing seasons colder than normal temperatures gradually favor the production of larger seeds while plants producing smaller seeds do not survive and reproduce as well.

\_\_ c. A new species of finch, with a bill-size distribution similar to that of the crossbills, moves in to the area. If combined onto one graph, which would be the most likely graph?

\_ d. Unidentified environmental factors, acting through natural selection, decrease the amount of variation in bill size among the crossbills.