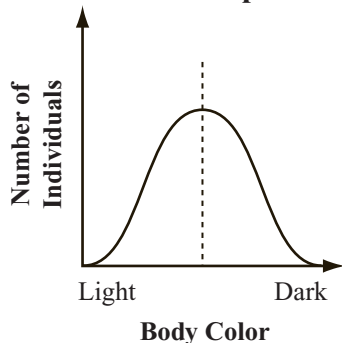


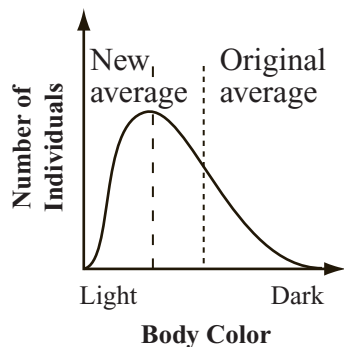
In a population of beetles, the body colors of individual beetles range from light to dark. The graph below shows the distribution of body colors in the current population.

**Distribution of Body Colors
in Current Population**

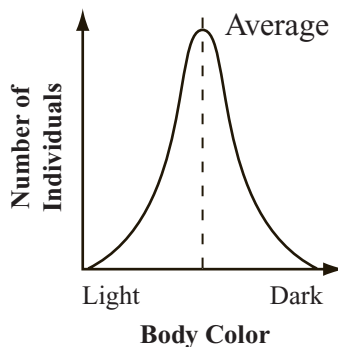


In the future, the distribution of body colors in the beetle population could change in different ways as a result of natural selection, as shown in the graphs below.

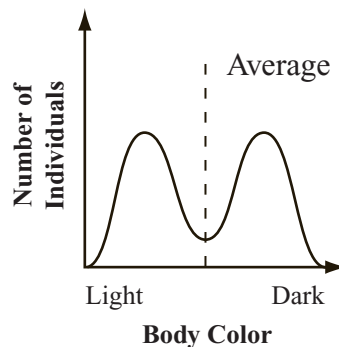
**Directional Natural
Selection**



**Stabilizing Natural
Selection**



**Disruptive Natural
Selection**



In the directional natural selection graph, the curve shifts in the direction of the favored phenotype. This particular graph shows light body color being favored, but, depending on environmental conditions, dark body color might be favored.

In the stabilizing natural selection graph, the curve narrows to show the average phenotype is favored.

In the disruptive natural selection graph, the curve has two peaks to show the phenotypes at both ends of the graph are favored.