

Location A: number of mice with light fur _____ number of mice with dark fur _____

Location B: number of mice with light fur _____ number of mice with dark fur _____



When all four illustration pages are placed in order, this one is:

1st (oldest) 2nd 3rd 4th (most recent)

(Circle the appropriate number)

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4. Watch the film *The Making of the Fittest: Natural Selection and Adaptation*. As you watch, look for an explanation for the differences among the illustrations that will help you to confirm that the order in which you arranged the illustrations is correct. Think about the following as you watch the film:
 - Why are some mice light and some mice dark?
 - Does fur color provide any selective advantage or disadvantage?
 - What role does the pocket mouse play in the desert food web?
 - What can explain the differences among the illustrations

5. Using what you learned by watching the film, check the order in which you arranged the illustrations. Change the numbers you circled under the illustrations as necessary. Once you are satisfied you are correct, fill out the data table using the counts you recorded above the illustrations.

Sequence

		First (oldest)	Second	Third	Fourth (most recent)
Location A	Number of mice with light fur				
	Number of mice with dark fur				
Location B	Number of mice with light fur				
	Number of mice with dark fur				

6. Use colored pencils to prepare a bar graph based on the data that shows the distribution of the mice at locations A and B through time. Be sure to provide appropriate titles and labels for the x- and y-axes. You may record all of your data for each time period (A and B) on one bar graph or split A and B and make two graphs



