						Da	te:			eriod: Veek #	
Name:											
Battle of the Don the Galap America, a po however, their	pula		in ma	ny dif	ferent	sizes.		-	. 160	od cour	e. You
In this activit	y, you ers wil	will be l simul	a play ate oth	tne ro ner fin l, each	ches v perso	a finch bi vith sligh on will re	rd fightin t variation ceive a di	g 101 a n ns in the fferent t	shape o	of their be imic a be	eaks. Ir eak, and
paper clips w	ill be u	ised to	repres	sent fo	od.				of Food Col	llected (in par	perclips)
paper clips will be used to represent food.					g	Ве	eak	Amount of Food Collected (in paperclips) Year 2 Year 3 Year 4			
1. Examine the beaks and the matching tools in Figure 1. What type of tool do					lo	Shape	Tool	Year 1	Year 2	Tour	
you think v this activity	vill be	most s	uccess	iui iii		0	Tweezer				
						0	Chopsticks				
						0>	Clip				
						0	Tongs				
									Figure	1	
Directions: U mount of foo	se the	data y	your g by eac	roup h biro	collec l over	ted to cr a four y	eate a lin ear time	ne grapl period	h that re		s the
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Food Collected (in paperclips) Food Collected (in paperclips)	se the od coll	ecteu		roup ch bird	collection of the collection o	ted to cre a four y	eate a line	ne grapl	h that re	Key Cho	y eezer opsticks
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Time (in years)

	Date: Period:
Name:	ines survival, which bird(s) have the best
2. If the amount of food collected determs	Date:Period ines survival, which bird(s) have the best chance of
Suiviva	hor Of
Ollsuling, 1, and the	the island reproduce and have a large number of survive due to a limited amount of food. The surviving offspring inherit traits similar to their parents.
3. Predict what type of bird beak(s) will l	be seen in the pop
A scientist named Charles Darwin discovisions. He took an interest in the populations, he developed his theory of natural hat must occur in order for natural sele population, (2) variation must affect sure offspring are produced than can survive evolutionary changes will occur.	vered this population of finches on the Galapagos lation and began to study them. During his time on the aral selection . Darwin came up with four conditions ction to occur: (1) there must be variation in a vival, (3) variation must be heritable, and (4) more. Darwin hypothesized that if these conditions are met,
in the fine	ch population met each of the four conditions
n the table below, identify now the find ecessary for natural selection to occur	
Darwin's 4 Conditions for Natural Selection	Application to the Galapagos Finches
Variation in a population.	
Variation must affect survival.	
Variation must be heritable.	
More offspring are produced than can survive.	
Complete the summary to show how	natural selection occurred in the population of fiches
-	
-	beaks have an increased chance of surviv
"The finches withbecause	beaks have an increased chance of surviv
"The finches with because These finches are more likely to	natural selection occurred in the population of fiches.