	CABULARY	ection as a mechanism for	evolution.
	artificial selection	natural selection	fitness
	heritability	population	
MA	IN IDEA: Several key ins	sights led to Darwin's idea	for natural selection.
1.	Why did artificial selection	on interest Darwin?	
2.	Why must selected traits	be heritable?	
3.	In natural selection, what	t must be true of traits that	are passed down through genera
4.	What important idea from	n Thomas Malthus inspired	d Darwin?
	IN IDEA: Natural selection	on explains how evolution	can occur.
MA		•	
MA	variation overpro	duction adaptation	descent with modification

Use an organism of your choice to sketch the four principles of natural selecti	ection
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	9. overproduction	10. variation			
	11. adaptation	12. descent with modification			
MA	IN IDEA: Natural selection works on ex	isting variation.			
	<u>.</u>	- · · · · · · · · · · · · · · · · · · ·			
	After several years, the supply of large see The increase in small, soft seeds brought a number of large-beaked hatchlings the foll				
Vo	cabulary Check				
	Humans are the selective agent in which ty selection?	pe of process, artificial selection or natural			
	5. <i>The environment</i> is the selective agent in which type of process, artificial selection or natural selection?				
	7. What is the measure of the ability to survive and produce more offspring relative to other members of the population called?				
18.	What is the ability of a trait to be passed do	own from one generation to the next called?			
19.	9. What are all the individuals of a species that live in an area called?				

## PowerNotes 10.3: Theory of Natural Selection

