

SECTION 10.2

DARWIN'S OBSERVATIONS

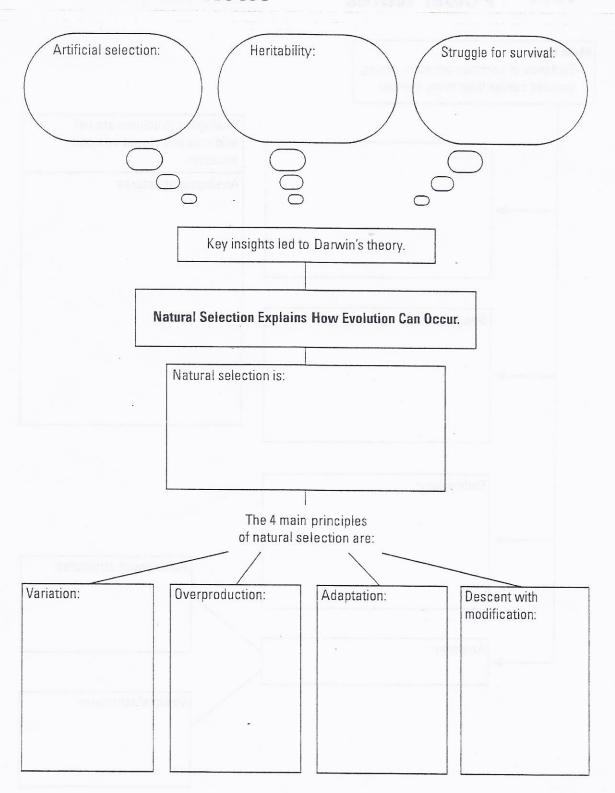
Power Notes

Main Idea	Detail Notes	
I. Darwin observed variation among island species.	1. Variation is:	
	2. Examples include tortoises:	
	/5	
	3. and finches:	
amedT Trems		
II. Darwin realized species could adapt to their environment.	1. An adaptation is:	
	atu 3 % someti	
III. Darwin observed fossil and geologic evidence of an ancient Earth.	1. Fossil evidence included:	
	2. Geologic evidence included:	

THEORY OF NATURAL SELECTION

10.3

Power Notes



EVIDENCE OF EVOLUTION

10.4 Power Notes

Main Idea
Evidence of common ancestry among species comes from many sources.

Fossils:

Analo

Geography:

Embryology:

Anatomy:

Analogous structures are not evidence of a recent common ancestor.

Analogous structures:

Homologous structures:

Vestigial structures:



EVOLUTIONARY BIOLOGY TODAY

Power Notes

10.5

DNA sequence analysis:	en and a little	Pseudogenes:	
	LONGO CONTACT		
	16 7000		and on possible of
Inspectable onto the control of the	New technolog understandi	ng of evolution.	
Homeobox genes:		Protein comparisons:	

EVOLUTIONARY BIOLOGY TODAY

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