Name	Date	Per

CHAPTER 23 STUDY QUESTIONS: The Evolution of Populations

1) Distinguish between QUANTITATIVE of each.	characters and DISCRETE characters	("either-or" traits). Give an example
2) What is MICROEVOLUTION ? What	are the five causes of microevolution?	
3) Describe the phenomenon known as	the BOTTLENECK EFFECT , and give a	an example.
4) What is the FOUNDER EFFECT ? Ho diseases among human populations?	ow is this related to the relatively high fre	equency of some inherited genetic
5) Complete the following chart compari	ng different types of selection:	
Type of selection	What is it? (Explain)	Example
Stabilizing selection		
Directional selection		
Diversifying selection		
Sexual selection		
6) What is meant by the statement: "Na	atural selection can only edit variation	ns that already exist."
7) What is geographic variation and ho	ow does the term CLINE relate? Give a	n example of a cline.

(over)

Phenomenon:	Definition:	Example:
eterozygote advantage:		
equency dependent selection:		
eutral variation:		
Sexual dimorphism:		
ntrasexual selection:		
ntersexual selection:		

8) Why is it said that evolution / natural selection acts on phenotypes and not genotypes?