Name:	Question Set 36
	Q

CHAPTERS 17/18: DNA Technology

1. How does the shot-gun approach differ from the whole-genome sequencing?		
2. What is a transposable element? What is a transposon?		
3. Describe potential problems caused by transposons.		
4. What is a multigene family?		
5. Multigene families are hypothesized to have evolved from		
6. What is the function of restriction enzymes in bacteria?		
7. How do bacteria protect their DNA from the effects of the restriction enzymes?		

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8. How do biologists make use of restriction enzymes?	
9. How are DNA fragments of different sizes separated?	
10. What is meant by "recombinant DNA technology?"	
11. What are vectors?	
12. What are plasmids?	
13. What are reporter genes?	
14. What is a genomic library?	
15. How is cDNA different from typical eukaryote DNA?	

- 16. Define biotechnology.
- 17. Why is DNA cloning considered an important technology?
- 18. Describe the steps involved in cloning a gene.

