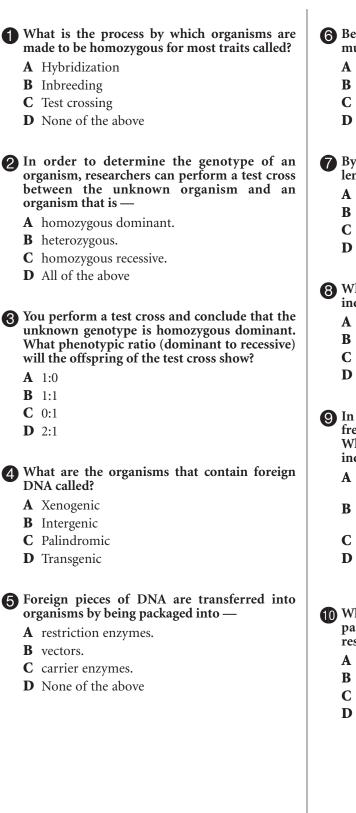
Chapter 13 Name

Class



6 Before two genes can be spliced together, they must both be cleaved by a —

- **A** restriction enzyme.
- **B** gene gun.
- C micropipette.
- **D** None of the above

By what process can DNA strands of different lengths be separated out?

- **A** Gene splicing
- **B** DNA cloning
- **C** Gel electrophoresis
- **D** None of the above

8 What is the total number of genes in an individual organism called?

- **A** Chromosome
- **B** Linkage map
- **C** Genome
- **D** None of the above
- In creating a linkage map, you must analyze the frequency of recombination in the genome. What would a very low frequency of cross-over indicate about two genes?
 - **A** They are on the same chromosome but very far apart.
 - **B** They are on the same chromosome and very close together.
 - **C** They are on different chromosomes.
 - **D** It cannot be determined from the information given.

What is the process of analyzing the unique pattern of DNA fragments resulting from restriction enzyme cleavage called?

- **A** Gene splicing
- **B** Gene therapy
- **C** Genetic engineering
- **D** DNA fingerprinting