Test Prep Pretest

1. nonrandom mating
2. gene flow
3. normal distribution
4. heterozygous
5. extinct
6. adaptation or evolution
7. reproductive isolation
8. genes
9. genetics
10. genetic variation
11. d
12. e
13. a
14. f
15. c
16. g
17. b
18. b
19. b
20. d
21. b
22. b
23. d
24. c
25. b
26. a normal distribution

Quiz

SECTION: GENETIC VARIATION

1. c
2. b
3. d
4. a
5. a
6. b
7. c
8. d
9. b
10. a

SECTION: GENETIC CHANGE

1. d
2. c
3. b
4. a
5. c
6. b
7. c
8. a
9. d
10. b

SECTION: SPECIATION

1. b
2. c
3. b
4. d
5. c
6. d
7. a
8. e
9. b
10. c

Chapter Test (Basic)

1. T
2. F
3. T
4. F
5. T
6. a
7. b
8. c
9. b
10. c
11. nonrandom mating
12. gene flow
13. genetic variation
14. adaptation
15. genes
16. c
17. d
18. a
19. e
20. b

Chapter Test (General)

1. c
2. a
3. d
4. e
5. b
6. b
7. d
8. b
9. c
10. c
11. a
12. a
13. c
14. b
15. c
16. genetic variation
17. macroevolution
18. alleles
19. nonrandom mating
20. normal distribution
21. inbreeding
22. evolutionary forces
23. stabilizing
24. Genetic drift
25. complete

Chapter Test (Advanced)

1. c
2. b
3. d
4. a
5. c
6. c
7. c
8. b
9. c
10. c
11. b
12. c
13. a
14. e
15. d
16. increase

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17. small
18. evolutionary forces
19. survival, reproduction (in any order)
20. divergence
21. The environment does the selecting. If the environment changes in the future, the set of characteristics that are most adaptive may change.
22. Natural selection merely allows individuals who express favorable traits to reproduce and pass those traits on to their offspring. Natural selection acts on genotypes by removing unsuccessful phenotypes from a population.
23. Only characteristics that are expressed can be targets of natural selection. Selection cannot operate against rare recessive alleles, such as those that cause hemophilia. Selection can only act against the recessive homozygotes.
24. geographical barriers, using different niches, different mating behaviors and timing, polyploidy, and hybridization
25. gene flow, nonrandom mating, genetic drift, mutation, and natural selection

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