Principles of Evolution

# Study Guide A

#### **Answer Key**

# SECTION 1. EARLY IDEAS ABOUT EVOLUTION

- 1. d
- 2. . . . .
- з. ь
- 4, 10
- 5. b
- 7 4
- gradualism, uniformitarianism, catastrophism
- 9. forestil.
- 10, evolution
- III. catastrophism
- uniformitarianism
- E. Darwin
- 14. Lamarck
- Linnaeus
- 16. Buffon

#### SECTION 2. DARWIN'S OBSERVATIONS

- 1. 0
- 2. d
- 3. b
- 4. 6
- 5. triog-
- 6. false
- 7 tense.
- S. true
- 9. variation
- 10. adaptation
- III. adaptation
- 12. variation

Be Creative: Sketches may vary.

#### SECTION 3. THEORY OF NATURAL SELECTION

- 1. d.
- 2. 6
- 3. 0
- 4, 8

- 5. overproduction
- 6. variation.
- 7. adaptation
- 8. descent with modification
- 9. 4
- 10. c.
- 11. 6
- 12. a.
- 13. increase
- 14. decrease
- 15. artificial selection
- 16, natural selection
- 17. fitness
- 18. heritability
- 19. population
- 20. Artificial
- 21. Natural

#### SECTION 4. EVIDENCE OF EVOLUTION

- 1. fossils
- 2. geography
- 3. embryology
- 4. anatomy
- 5. c.
- 6 4
- 7. homologous structure
- 8. analogous structure
- 9. analogous structure
- 10. vestigial structure
- 11. homologous structure
- 12. analogous structure
- 13. vestigial structure

Sketch It Out: Drawing should be of the bone structure of a human hand.

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**KJ Lindholm-Leary** 

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