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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. The oldest direct traces of life on earth date back 30 to 40 million years.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 2. Vertebrates appeared on earth before invertebrates.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 3. Dinosaurs appeared along with mammal-like reptiles during the Triassic period.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 4. Most paleontologists agree that birds and dinosaurs are closely related.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 5. Dinosaurs and marine reptiles reached their period of greatest abundance during the Jurassic period.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 6. Current archeological evidence indicates that domestication of the dog occurred about 6,000 years ago.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 7. The cat's association with humans dates back to about 3,500 years ago.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 8. Cats are the most common household pet.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 9. Figures from the United States Department of Agriculture in the Animal Welfare Enforcement Report for fiscal year 2010 showed that over one million animals were used in laboratory experiments.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 10. Socrates is credited with the first attempts at classifying organisms based on their structural similarities.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 11. Protista are single-celled or microscopic animals, including algae.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 12. Mammals are more or less covered with hair.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 13. Osteichthyes are invertebrates.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | False | |

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| 14. Each species has a name composed of two words.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 15. When writing a species name, the genus name is capitalized.   |  |  |  | | --- | --- | --- | |  | a. | True | |  | b. | False |  |  |  | | --- | --- | | *ANSWER:* | True | |

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| 16. Which isotope is indicative ​of life being present?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | ​hydrogen | b. | ​argon | |  | c. | ​carbon | d. | ​sodium |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 17. Arthropods and worms are examples of:   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | vertebrates | b. | invertebrates | |  | c. | mammals | d. | reptiles |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 18. The bony fish appeared in the Ordovician period and became abundant during the \_\_\_\_\_ period.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Devonian | b. | Triassic | |  | c. | Jurassic | d. | Cretaceous |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 19. Which of these are believed to be the first animals domesticated?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | rabbits | b. | ferrets | |  | c. | cats | d. | dogs |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 20. It is estimated that there are about \_\_\_\_\_\_ independent pet stores in the United States.   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | 1,800-1,900 | b. | 4,000-6,000 | |  | c. | 6,000-8,000 | d. | 15,000-18,000 |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 21. Not counting birds, rats, and mice, which of these animals are MOST often used in laboratory experiments, according to the *Animal Welfare Enforcement Report*?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | rabbits | b. | guinea pigs | |  | c. | hamsters | d. | primates |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 22. Which of these businesses would be classified as an exhibitor of animals?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | diagnostic laboratory | b. | hospital | |  | c. | airline | d. | carnival |  |  |  | | --- | --- | | *ANSWER:* | d | |

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| 23. Who is credited with developing our modern method of animal classification?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Aristotle | b. | Carolus Linnaeus | |  | c. | John Ray | d. | Philip Taxano |  |  |  | | --- | --- | | *ANSWER:* | b | |

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| 24. Which kingdom includes molds and yeasts?   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | Fungi | b. | Protista | |  | c. | Plantae | d. | Monera |  |  |  | | --- | --- | | *ANSWER:* | a | |

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| 25. The class Aves includes:   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | a. | bony fish | b. | snakes and lizards | |  | c. | birds | d. | dogs and cats |  |  |  | | --- | --- | | *ANSWER:* | c | |

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| 26. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are layered structures created through the activity of primitive algae and bacteria found in rocks.   |  |  | | --- | --- | | *ANSWER:* | Stromatolites | |

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| 27. Sections of Australian rocks, called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, show fossilized remains of blue-green algae themselves.   |  |  | | --- | --- | | *ANSWER:* | cherts | |

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| 28. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the atmosphere filters out the ultraviolet light from the sun that is harmful to life.   |  |  | | --- | --- | | *ANSWER:* | ozone | |

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| 29. The first birds and mammals appeared 135 million years ago during the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ period.   |  |  | | --- | --- | | *ANSWER:* | Jurassic | |

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| 30. Placental mammals have a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through which the embryo and fetus are nourished while in the uterus.   |  |  | | --- | --- | | *ANSWER:* | placenta | |

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| 31. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are semi-feral dogs that live in close approximation to towns where they survive by scavenging on garbage.   |  |  | | --- | --- | | *ANSWER:* | Pariah dogs | |

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| 32. Pictures of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ have been found in Egyptian tombs.   |  |  | | --- | --- | | *ANSWER:* | cats | |

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| 33. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ usually provide services for animals between consignor and carrier.   |  |  | | --- | --- | | *ANSWER:* | Intermediate handlers | |

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| 34. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are persons selling lab animals for research and teaching, wild animals for exhibition, or pet animals at the wholesale level.   |  |  | | --- | --- | | *ANSWER:* | Dealers | |

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| 35. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the science concerned with the naming and classification of organisms.   |  |  | | --- | --- | | *ANSWER:* | Taxonomy | |

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| 36. The kingdom \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ includes the bacterial organisms that lack a true nucleus in the cell and reproduce by fission.   |  |  | | --- | --- | | *ANSWER:* | Monera | |

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| 37. The kingdom \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is composed of the invertebrates and vertebrates.   |  |  | | --- | --- | | *ANSWER:* | Animalia | |

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| 38. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the class that includes snakes, lizards, and turtles.   |  |  | | --- | --- | | *ANSWER:* | Reptilia | |

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| 39. Binomial nomenclature uses the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ language.   |  |  | | --- | --- | | *ANSWER:* | Latin | |

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| 40. If an organism’s subspecies name is included in its species name, it uses the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ naming system.   |  |  | | --- | --- | | *ANSWER:* | trinomial nomenclature | |