

Name: _____

Date: _____ Period: _____

What's Your Biodiversity IQ?

Here's your chance to find out what you know about the world's diverse plants, animals, and natural places. For each question, circle **all** the correct answers.

- Which of the following could the fastest human outrun in a 100-yard race?
 - Cheetah
 - Wart hog
 - Three-toed sloth
 - Domestic cat
 - Wild turkey
- Which of the following actually exist?
 - Ants that "herd" aphids for food
 - Slime molds that creep across the ground
 - Flowers that "trick" insects into mating with them
 - None of the above
- What does a large adult bluefin tuna have in common with a Porsche 911?
 - Ability to go from 0 to 60 MPH in 4.7 seconds
 - Big fins
 - A sticker price of about \$60,000
- Which of the following best describes the word biodiversity?
 - Endangered species
 - Different kinds of planets in the solar system
 - The variety of all life on Earth
 - A bunch of biographies about famous biologists
- US Fish and Wildlife Service agents and US Customs officials in Los Angeles, CA, once found which of the following strapped to a man's arms and legs?
 - 18 California king snakes
 - 45 pounds of elephant ivory
 - 16 sea turtle eggs
 - 16 vampire bats
- Scientists studying bug zappers have learned some interesting facts. Which of the following are among them?
 - Insects are attracted to bug zappers because of the zapper's smoky smell.
 - Bug zappers are great for ridding summer nights of mosquitoes.
 - Bug zappers could be bad news for certain birds, fish, bats, and flowers.
 - There are more than 4 million bug zappers being used in the United States.
- Blackpoll warblers are tiny birds that migrate between North America and South America each year. Which of the following statements about them are true?
 - They use the stars for navigation.
 - They make frequent pit stops at fast-food restaurants.
 - They don't really need to migrate.
 - If they burned gasoline instead of body fat or fuel, they'd get 720,000 miles to the gallon.
- Which of the following can be considered an enemy of coral reefs?
 - Starfish
 - Jewelry
 - Sunken treasure
 - Divers
- What's the most serious threat to biodiversity?
 - Sharks
 - Habitat loss
 - Tourists
 - Pollution
- The items on the left have been (or are being) developed into important medicines for humans. Match each item with the medicine it inspired by writing the letters in the appropriate blanks.

___ Bread mold	a. anti-inflammatory
___ White Willow Tree	b. antibiotic
___ Vampire Bat Saliva	c. pain reliever
___ Wild Yams	d. medicine to unclog arteries
___ Caribbean Coral	e. first-aid ointment
- Which of the following are true statements about camels?
 - They store water in their humps.
 - During cooler weather, they can go up to two months without drinking.
 - They played a key role in opening up trade across the deserts of Asia and Africa.
 - They provide people with milk, meat, cooking fuel (in the form of dried dung), wool, and leather.
- Without fungi, which of the following would you not be able to do?
 - Eat pizza topped with pepperoni and mushrooms.
 - Bake bread
 - Live in a world free of dead things lying all over the place.
 - Put blue cheese dressing on your salad



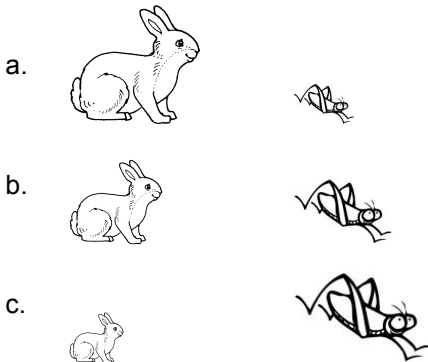
13. Which of the following statements are true?
- Potatoes originated in Ireland.
 - The United States grows most of its baking potatoes in Washington.
 - More than 5,000 different kinds of potatoes have been identified in South America's Andes Mountains.
 - The French fry, invented by Madame Bonaparte during the French Revolution, became one of Napoleon's favorite snacks.

14. Which of the following are species of animals?
- Vampire moths
 - Tasmanian devils
 - Komodo dragons
 - Werewolves

15. If you decided to throw a party to celebrate the diversity of life on Earth and wanted to send an invitation to each species, how many invitations would you need?
- 150
 - about 3,000
 - 652,983
 - more than 1.5 million

16. Which of the following statements about ostriches are true?
- They hide their heads in the sand.
 - Their meat is so tasty that some people are choosing it over beef for burgers.
 - They fly when no one is looking.
 - They can outrun a lion or a hyena.

17. If the number of species on Earth was represented by physical size, which of the following would most accurately illustrate the proportion of insects to mammals?

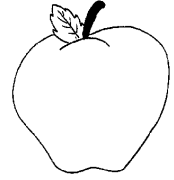


18. Biodiversity includes:
- The color of your eyes
 - The creatures in your neighborhood soil
 - Antarctica
 - Your classmates

19. If there were a prize for "the strongest creatures for its size," which of the following would win?
- Gorillas
 - Chickens
 - Ants
 - Turtles



20. Which of the following would people have to do without if there were no bees?
- Almonds
 - Honey
 - Cucumbers
 - Apples
 - Celery



21. Which of the following is an example of an ecosystem service?
- A ladybug that protects your garden by eating aphid pests
 - A company that rakes people's yards
 - A wetland that filters dirty water
 - An ocean that controls Earth's climate

22. Some of the world's most fascinating creatures live in really unusual places. Which of the following is sometimes a home for another living thing?
- A lobster's mouth
 - A termite's gut
 - A rhino's gut
 - A human's forehead



23. If you had a job that put you in charge of saving all species on the edge of extinction in the United States, about how many endangered species would you need to save (based on what we know today)?
- 12
 - 250
 - 517
 - 1,082

24. A small population of beluga whales lives in Canada's St. Lawrence River. Which of the following explains why they are threatened?
- In winter the river freezes, making it nearly impossible for the whales to surface for air.
 - Beluga steaks are considered a delicacy in many parts of the world.
 - The areas of the river where the whales feed are heavily polluted, and as a result the whales are contaminated with toxins.
 - The river's water is really too shallow for such large mammals.

25. Which of the following environments on our planet are too harsh to support life?
- Boiling sulfur springs, where temperatures are commonly 212° Fahrenheit (100° Celsius)
 - Deep-sea hydrothermal vents called "smokers," where the temperature can reach 662° Fahrenheit (350° Celsius)
 - The frigid ice of the Arctic and Antarctic
 - All of the above
 - None of the above