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2[A] — Masters of the Savanna Lesson19 P1 Chobun TypeB etoc以外使用禁止 AP1E 11-3

- 1. Africa' grasslands, known as savannas, support many magnificent creatures,
- 2. such as lions, elephants, and giraffes.
- 3. These large animals are commonly thought to play the most important roles in 4. the savanna ecosystem.
- 5. Recent research, though, suggests an animal size (26) its ecological impact.
- 6. Scientists at Harvard University and the University of Florida have found
- 7.strong evidence that it is actually the termite an insect similar to the ant-that 8.has the most influence.
 - *Choose the correct answer to fill in the blank from these choices.
- 9.(26) 1 is an important clue to
- 2 does not always indicate
- evolves as a result of
- 4 can weaken
- 11.1) What're the animals that have been supported by savannah?
- 12. The animals that have been supported by savannah are the lions, elephants, and 13. giraffes.
- 14.2) What's commonly plays an important role in the savannah ecosystem?
- 15. Large animals are commonly thought to play important roles in the savannah 16. ecosystem.
- 17.3) What has the most influence in the savannah ecosystem?
- 18. Termites an insect similar to an ant- has the most influence in the savannah 19. ecosystem.
- 20. The scientists became aware of this while studying the population distribution of 21. lizards in the savanna of central Kenya.
- 22. They noticed unusually large number of lizards living near <u>termite mounds</u> the 23.huge nests built by termites.
- 24. Further study revealed many other animals and plants are also (27) near 25. the mound.
- 26.According to the scientists, termites enrich the soil by converting dead wood and 27.vegetation into nutrients.
- 28. Their activity also loosens the soil, improving its ability to absorb water.
- 29. This creates a particularly suitable environment for wildlife and plants thrive.
 - *Choose the correct answer to fill in the blank from these choices.
- 30.(27) adapting to human activity
- 2 difficult to identify

31. 3 less likely to survive

- 4 at their highest density
- 32.☆

 Memorization Further Questions & Sample Answers
- 33.4) What lives near the termite mounds?
- 34. Large numbers of lizard live near termite mounds.
- 35.5) How do termites enrich the soil?
- 36. Termites enrich the soils by converting dead woods and vegetation into nutrients.

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- 37. What most amazed the scientists was the influence the termites had on the
- 38. overall health of the savanna.
- 39. Satellite photographs show their mounds are spread evenly across the grassland
- 40.like squares on the chessboard.
- 41. The scientists believe this layout brings the ecosystem to its maximum possible
- 42.productivity.
- 43. This discovery may be especially important for conservationists restoring
- 44.degraded ecosystems, such as coral reefs.
- 45. Corals laid out in a similar fashion might (28) in those ecosystem as well.
 - *Choose the correct answer to fill in the blank from these choices.
- 46.(28) 1 lead to increased productivity
- 2 reduce the number of species

limit scientific research

4 pose a danger to animals

48.☆ Memorization Further Questions Sample Answers

- 49.6) What do the satellite photographs show about termite mounds?
- 50. Satellite photographs show their mounds are spread evenly across the grassland 51. like squares on a chessboard.
- 52.7) What does this termite mounds layout bring to the ecosystem?
- 53. Termite mounds layout brings the ecosystem to its maximum possible
- 54. productivity.
- 55.8) How can this discovery be important for conservationists?
- 56. This discovery may be especially important for conservationists restoring
- 57. degraded such as coral reefs.

Review Questions

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- 58.1) What are the animals that have been supported by savannah?
- 59. The animals that have been supported by savannah are the lions, elephants, and 60. giraffes.
- 61.2) What plays an important role in the savannah ecosystem?
- 62. Large animals are commonly thought to play important roles in the savannah 63. ecosystem.
- 64.3) What has the most influence in the savannah ecosystem?
- 65. Termites an insect similar to an ant- has the most influence in the savannah 66. ecosystem.
- 67.4) What lives near the termite mounds?
- 68. Large numbers of lizard live near termite mounds.
- 69.5) How do termites enrich the soil?
- 70. Termites enrich the soils by converting dead woods and vegetation into nutrients.

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71.6) What do the satellite photographs show about termite mounds?

72. Satellite photographs show their mounds are spread evenly across the grassland 73. like squares on a chessboard.

74.7) What does this termite mounds layout bring to the ecosystem?

75. Termite mounds layout brings the ecosystem to its maximum possible 76. productivity.

77.8) How can this discovery be important for conservationists?

78. This discovery may be especially important for conservationists restoring degraded such as <u>coral reefs</u>.

解答: (26) 2 (27)4 (28)1





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日本語訳付

86.(26) 1

2[A]- $Masters of the Savanna Lesson<math>19\ P1\ Chobun\ dokkai$ etoc 以外使用禁止 AP1E 11-3

79.Africa' grasslands, known as savannas, support many 壮大 (そうだい) な、華麗 (かれい) な magnificent

80.creatures, such as lions, elephants, and giraffes. These large animals are 共通 (きょうつう) に 役割 (やくわり)

81. commonly thought to play the most important roles in the savanna 生態系 (せいたいけい) to play the most important roles in the savanna

82. ecosystem . Recent research, though, suggests an animal size (26) its 生態系 (せいたいけい) の 研究社 (けんきゅうしゃ)

83. ecological impact. Scientists at Harvard University and the University of

84. Florida have $\int_{\text{Der}(J)}^{\text{Re}(J)} \int_{\text{Re}(J)}^{\text{Re}(J)} \int_{\text{Re}$

85.termite – an insect similar to the ant- that has the most influence

*Choose the correct answer to fill in the blank from these choices.

is an important clue to

2 does not always indicate

進化 (しんか) する **3** evolves as a result of

4 can weaken

1) What are the animals that have been supported by savannah?

88. 動物はサバンナによって何がサポートされていますか。

保護(ほご)されている

89. The animals that have been supported by savannah are the lions, elephants, 90. and giraffes.

91.2) What is commonly plays an important role in the savannah ecosystem?

92. 一般に、サバンナの生態系で重要な役割を集たしているのは何ですか。

93. Large animals are commonly thought to play important roles in the savannah ecosystem.

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94.3) What has the most influence in the savannah ecosystem?
    サバンナの生態系で最も影響しているのは何ですか。
96. Termites – an insect similar to an ant- has the most influence in the savannah
  ecosystem.
                         ~に気(き)づいて、知(し)って
97. The scientists became aware of
                                       this while studying the population
98. distribution of lizards in the savanna of central Kenya. They noticed unusually
                                         アリの巣山 (すやま)
99.large number of lizards living near termite mounds – the huge nests built by
                           明 (あき) らかにする
100 termites. Further study revealed many other animals and plants are also
          ) near the mound. According to the scientists, termites
                                                                               the
            by converting dead wood and vegetation into
      soil
                                                       吸収(きゅうしゅう)する
103. activity also loosens the soil, improving its ability to
                                                           absorb
                                                            野生生物 (やせいせいぶつ)
                            適応(てきおう)する 環境(かんきょう)
                    特(とく)に
104. This creates a particularly suitable environment for
                                                                           and
  植物(しょくぶつ) よく育 (そだ) つ
105. plants
              thrive
  *Choose the correct answer to fill in the blank from these choices.
               適応(てきおう)する
                                                                       みきわめる
<sub>106.</sub>(27)
                                                          difficult to identify
            1
                adapting to human activity
                                                          at their highest density
               less likely to survive
107.
108.4) What lives near the termite mounds? シロアリの巣苗の遊くに荷が生意していますか。
109. Large numbers of lizard live near termite mounds.
110.5) How do termites enrich the soil?
                                       どのようにシロアリは土壌を豊かにしていますか。
111. Termites enrich the soils by converting dead woods and vegetation into nutrients.
112. What most amazed the scientists was the influence the termites had on the
  全体的 (ぜんたいてき) な
                                       衛星(えいせい)
                                                   写真(しゃしん)
                health of the savanna. Satellite photographs show their mounds
     overall
                                  牧草地 (ぼくそうち)
        spread evenly across the grassland like squares on the chessboard. The
115. scientists believe this layout brings the ecosystem to its maximum possible
                                         特(とく)に
116. productivity. This discovery may be especially important for conservationists 
復元 (ふくげん) する 低下 (ていか) した サンゴ礁 (しょう)
   復元 (ふくげん) する 低下 (ていか) した
117. restoring degraded ecosystems, such as coral reefs. Corals laid out in a
118. similar fashion might ( 28 ) in those ecosystem as well
  *Choose the correct answer to fill in the blank from these choices.
                  増加(ぞうか)した 生産力(せいさんりょく)
119.(28) 1
                                                   reduce the number of species
          lead to increased productivity
                科学(かがく)の
```

pose a danger to animals

limit scientific research

- 121.6) What do the satellite photographs show about termite mounds?
- 122. 衛星写真はシロアリの巣山について何を知らせますか。
- 123. Satellite photographs show their mounds are spread evenly across the grassland like squares on a chessboard.
- 124.7) What does this termite mounds layout bring to the ecosystem?
- 125.このシロアリの巣山の設計は生態系に何をもたらしますか。

最大限(さいだいげん)の

126. Termite mounds layout brings the ecosystem to its maximum possible _{生産力 (せいさんりょく)} productivity.

- 127.8) How can this discovery be important for conservationists?
- 128.この発見は自然保護者にとってどのように重要ですか。

自然保護者(しぜんほごしゃ) 復元(ふくげん)する

129. This discovery may be especially important for conservationists restoring (さんごしょう) degraded such as <u>coral reefs</u>.

130. Review Questions

131.1) What are the animals that have been supported by savannah?

132. The animals that have been supported by savannah are the lions, elephants, and giraffes.

133.2) What plays an important role in the savannah ecosystem?

134. Large animals are commonly thought to play important roles in the savannah ecosystem.

135.3) What has the most influence in the savannah ecosystem?

影響(えいきょう)

- 136. Termites an insect similar to an ant- has the most influence in the savannah ecosystem.
- 137.4) What lives near the termite mounds?

138. Large numbers of lizard live near termite mounds.

139.5) How do termites enrich the soil?

変換(へんかん)する

- 140. Termites enrich the soils by converting dead woods and vegetation into nutrients.
- 141.6) What do the satellite photographs show about termite mounds?

142. Satellite photographs show their mounds are spread evenly across the grassland like squares on a chessboard.

143.7) What does this termite mounds layout bring to the ecosystem?

144. Termite mounds layout brings the ecosystem to its maximum possible productivity.

145.8) How can this discovery be important for conservationists?

146. This discovery may be especially important for conservationists restoring 低下 (ていか) する サンゴ礁 (さんごしょう)

degraded such as coral reefs.

解答: (26) 2 (27)4 (28)1





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