

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 coral reefs.

解答: (26) 2 (27)4 (28)1



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日本語訳付

2[A] – Masters of the Savanna Lesson19 P1 Chobun dokkai eTOC 以外使用禁止 AP1E 11-3

79. Africa' grasslands, ^{知(し)られている} known as savannas, support many ^{巨大(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} commonly ^{役割(やくわり)} thought to play the most important roles in the savanna
 81. ecosystem . Recent research, though, ^{提案(ていあん)する} suggests an animal size (**26**) its
^{生態系(せいたいけい)の} ecological ^{研究社(けんきゅうしゃ)} impact. Scientists at Harvard University and the University
 83. of
 84. Florida have ^{発見(はっけん)した} found ^{証拠(しょうこ)、証明(しょうめい)} strong evidence that it is ^{実際(じっさい)に} actually the
^{シロアリ} termite – an ^{昆虫(こんちゅう)} insect ^{～に似(に)ている} similar to the ant- that has the most ^{影響力(えいきょうりょく)} influence .
 85.

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

86. **(26) 1** ^{手(て)がかり} is an important clue to **2** ^{述(の)べる} does not always indicate
^{進化(しんか)する} evolves as a result of **4** ^{弱(よわ)める} can weaken

☆ 多 Memorization Further Questions&Sample Answers

- 1) What are the animals that have been supported by savannah?
 88. ^{動物(どうぶつ)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(いっぱん)に、サバンナの生態系(せいたいけい)で重要な役割(じゅうようやくわり)を果たしているのは何(なん)ですか。}
^{共通(きょうつう)に}
 93. *Large animals are commonly thought to play important roles in the savannah*
ecosystem.

94. 3) What has the most influence in the savannah ecosystem?

95. 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.*

97. The scientists became aware of this while studying the population distribution of lizards in the savanna of central Kenya. They noticed unusually large number of lizards living near termite mounds – the huge nests built by termites. Further study revealed many other animals and plants are also (27) near the mound. According to the scientists, termites enrich the soil by converting dead wood and vegetation into nutrients . Their activity also loosens the soil, improving its ability to absorb water. This creates a particularly suitable environment for wildlife and plants thrive .

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

106. (27) 1 adapting to human activity 2 difficult to identify
107. 3 less likely to survive 4 at their highest density

☆ 多読 Memorization Further Questions & Sample Answers

108. 4) What lives near the termite mounds? シロアリの巣山の近くに何が生息していますか。
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 overall health of the savanna. Satellite photographs show their mounds are spread evenly across the grassland like squares on the chessboard. The scientists believe this layout brings the ecosystem to its maximum possible productivity . This discovery may be especially important for conservationists restoring degraded ecosystems, such as coral reefs. 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.

119. (28) 1 lead to increased productivity 2 reduce the number of species
120. 3 limit scientific research 4 pose a danger to animals

☆多 Memorization **Further Questions&Sample Answers**

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。

126. *Termite mounds layout brings the ecosystem to its maximum possible 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。

129. *This discovery may be especially important for conservationists restoring degraded such as coral reefs.*

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?

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?

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?

最大限 (さいだいげん) の

144. *Termite mounds layout brings the ecosystem to its maximum possible productivity.*
生産力 (せいさんりょく)

145. 8) How can this discovery be important for conservationists?

自然保護者 (しぜんほごしゃ) 復元 (ふくげん) する

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

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