

4[B] – The Gift of Sight



2. One common cause of eyesight problems is cataracts, a disease that affects the
 3. lens of the eye. When people suffer from cataracts, the lens becomes clouded,
 4. making it difficult to see clearly. In severe cases, eyesight can be lost completely.
 5. Cataracts are caused by changes in the liquid inside the lens, and are relatively
 6. common as people become older. Nowadays, fortunately, most cataracts can be
 7. cured by a simple operation in which the lens is removed and replaced with an
 8. artificial one.



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Further Questions & sample answers

9. 1) What're cataracts?

10. *They're a disease that affects the lens of the eye and are a common cause of eyesight problems.*

11. 2) What happens when a person has cataracts?

12. *The lens becomes clouded making it difficult to see clearly, in severe cases*

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Further Questions & sample answers

25. 4) Do only human beings suffer from cataracts?

26. *No, many animals both wild and domestic can also get them.*

27. 5) What does the device created by S&V technologies allow a veterinarian to do?

28. *The veterinarian can treat an animal with cataracts without having it brought to*
 29. *a hospital.*

30. The company has been surprised by the strong demand for its products.

31. Recently, for example, the Animal Health Trust, a British charity that helps

32. animals, sent two veterinarians to China to treat a group of bears with eye

33. problems. The veterinarians later said that without the new portable

34. equipment, it would have been impossible to cure these bears. In another case,

35. an aquarium in California used the equipment to help a sea lion that had

36. trouble performing tricks for audiences because of cataracts. After the

37. operation, the animal was able to perform perfectly again.

Further Questions& sample answers

38. **6)** How have people used the new device?
39. **①** -Two veterinarians were sent to China to treat bears with eye problems.
40. **②** -An aquarium in California used the equipment to help a sea lion.
41. **7)** Has the equipment proven to be effective?
42. *Yes, the sea lion that had trouble performing tricks could perform perfectly after*
43. *the operation.*
-
44. Although the equipment is expensive, there are many people who want to use it.
45. In fact, according to S&V Technologies, the main problem now is that there are still so
46. few veterinarians who know how to treat animal cataracts with its equipment.
47. For this reason, the company has started training veterinarians how to use its products.
48. Many people have applied to learn, which is good news both for the company
49. and for animals around the world suffering from cataracts.

Further Questions& sample answers

50. **8)** Has this equipment been popular amongst veterinarians?

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without leaving the hospitals.

60. **3** By inventing a special lens that changes size after it is put in the animal's eye.
61. **4** By creating artificial lenses that can be used by a variety of different animals.
62. **(39) Equipment from S&V Technologies**
63. **1** has made it possible to help animals that previously could not be cured.
64. **2** is being produced in China by a charity called the Animal Health Trust.
65. **3** allowed a group of sea lions in California to be set free in the ocean.
66. **4** can be used to help certain kinds of animals learn new tricks.
67. **(40) What is the biggest difficulty that S&V Technologies has discovered?**
68. **1** It is difficult for veterinarians to decide which animals to treat first.
69. **2** Its equipment is too expensive for most veterinarians to buy.
70. **3** There are not enough veterinarians who can use its products.
71. **4** Few veterinarians have shown an interest in its training program.

Review Questions

- 72. 1) What're cataracts?
- 73. They're a disease that affects the lens of the eye and are a common cause of
- 74. eyesight problems.
- 75. 2) What happens when a person has cataracts?
- 76. The lens becomes clouded making it difficult to see clearly, in severe cases
- 77. eyesight can be lost completely.
- 78. 3) What causes cataracts?
- 79. Changes in the liquid inside the lens cause cataracts.
- 80. 4) Do only human beings suffer from cataracts?
- 81. No, many animals both wild and domestic can also get them.
- 82. 5) What does the device created by S&V technologies allow a veterinarian to do?
- 83. The veterinarian can treat an animal with cataracts without having it brought to
- 84. a hospital.
- 85. 6) How have people used the new device?
- 86. ① - Two veterinarians were sent to China to treat bears with eye problems.

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日本語訳付

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Lesson4 G2 chobunc dokkai 10.2(4B)A2E

- 94. One common cause of eyesight problems is cataracts, a disease that
- 95. affects the lens of the eye. When people suffer from
- 96. cataracts, the lens becomes clouded, making it difficult to see clearly.
- 97. In severe cases, eyesight can be lost completely. Cataracts
- 98. are caused by changes in the liquid inside the lens, and are relatively
- 99. common as people become older. Nowadays, fortunately, most cataracts can be
- 100. cured by a simple operation in which the lens is removed and
- 101. replaced with an artificial one.

Further Questions&sample answers

102. **1)** What're cataracts? はくないしょう 白内障 とはなんですか。
病気 (びょうき) ～に悪影響 (あくえいきょう) をおよぼす
103. *They're a disease that affects the lens of the eye and are a common cause of eyesight problems.*
いつものこと 原因 (げんいん) 視力 (しりょく)
104. **2)** What happens when a person has cataracts? はくないしょう 白内障 ひと になると人はどうなりますか。
～になる 曇 (くも) る ～しにくい はっきりと 厳 (きび) しい
105. *The lens becomes clouded making it difficult to see clearly, in severe cases eyesight can be lost completely.*
失 (うしな) う 完全 (かんぜん) に
106. **3)** What causes cataracts? はくないしょう 白内障 げんいん の原因はなんですか。
変化 (へんか) 液体 (えきたい) 水晶体 (すいしょうたい)
107. *Changes in the liquid inside the lens cause cataracts.*
-
108. It is not only human beings, however, who suffer from cataracts. Many animals,
野生 (やせい) の 飼 (か) い慣 (な) らされた
109. both wild and domestic , can also get them. Recently, a small German
科学技術 (かがくぎじゅつ) 発達 (はったつ) した 装具 (そうぐ)
110. company called S&V Technologies , has developed special equipment for
治療 (ちりょう) する 装置 (そうち)

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120. **5)** What does the 装置 (そうち) device ～を許 (ゆる) す reated by S&V technologies allow a veterinarian to do?
121. S&V technologies が はつめい 発明した そうち 装置は じゅうい 獣医が かのう なにをすることを可能にしましたか。
122. *The veterinarian can treat an animal with cataracts without having it brought to a hospital.*
-
123. The company has been surprised by the strong 売 (う) れ口 (ぐち) demand for its 製品 (せいひん) products.
124. Recently, for example, the Animal Health Trust, a British charity that helps
獣医 (じゅうい) animals, sent two veterinarians to China to treat a group of bears with eye
持 (も) ち運 (はこ) びのできる problems. The veterinarians later said that without the new portable
治 (なお) る equipment, it would have been impossible to cure these bears. In another case,
水族館 (すいぞくかん) an aquarium in California used the equipment to help a アシカ sea lion that had
実行 (じっこう) する 芸当 (げいとう) trouble performing 観客 (かんきやく) tricks for audiences because of cataracts.
手術 (しゅじゅつ) 演 (えん) じる 完全 (かんぜん) に
125. After the operation, the animal was able to perform perfectly again.

Further Questions & sample answers



126. **6)** How have people used the new **device** ?
 装置 (そうち) ひとひと あた そうち つか
 人々はどのように新しい装置を使っていますか。
127. **①** -Two veterinarians were sent to China to treat bears with eye problems.
128. **②** -An **aquarium** in California used the **equipment** to help a **sea lion**.
 水族館 (すいぞくかん) 備品 (びひん) アシカ
129. **7)** Has the equipment **proven** to be **effective** ?
 証明 (しょうめい) された 有効 (ゆうこう) な
130. その**装備**は**有効**であると **証明**されていますか。
 そうび ゆうこう しょうめい
131. **Yes, the sea lion that had trouble performing tricks could perform perfectly after the operation.**
 演技 (えんぎ) 芸当 (げいとう) 演 (えん) じる
 手術 (しゅじゅつ)

132. **Although the equipment is expensive, there are many people who want to use it.**
 事実 (じじつ) ~のよると 主な
133. **In fact, according to S&V Technologies, the main problem now is that there are still**
 獣医 (じゅうい)
134. **so few veterinarians who know how to treat animal cataracts with its equipment.**
135. **For this reason the company has started training veterinarians how to use its products**

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143. **2** can usually have the **problem** **fixed** by **surgery** .
 病気 (びょうき) 薬 (くすり)
144. **3** are able to treat the **illness** with a new **medicine**.
 改善 (かいぜん) する 年 (とし) ととる
145. **4** often find their eye sights **improve** as they **get older**.
146. **(38) What is one way that S&V Technologies has helped animals with cataracts?**
 S&V Technologies が白内障 (はくないしょう) の動物 (どうぶつ) を助 (たす) けるための一 (ひと) つの方法 (ほうほう) とはなんですか。
 寄付 (きふ) する
147. **1** By **donating** machines for treating cataracts to many countries around the world.
 発展 (はってん) している 装置 (そうぐ) 獣医 (じゅうい) 扱 (あつか) う
148. **2** By **developing** equipment that lets veterinarians **treat** animals **without** **leaving** the hospitals.
 ~なしですます 取 (と) り残 (のこ) す 発明 (はつめい)
149. **3** By **inventing** a special lens that changes size after it is put in the animal's eye.
 創造 (そうぞう) する 人工 (じんこう) の さまざまな
150. **4** By **creating** **artificial** lenses that can be used by a **variety** of different animals.

151. **(39) Equipment from S&V Technologies** S&V Technologies の装置は…
 それを可能 (かのう) にしている 以前 (いぜん) に 治 (なお) る
152. **1** has made it possible to help animals that previously could not be cured.
 ~で生産 (せいさん) されている ~呼 (よ) ばれている
153. **2** is being produced in China by a charity called the Animal Health Trust.
 ~を許 (ゆる) した アシカ 自由 (じゆう) を与 (あた) える
154. **3** allowed a group of sea lions in California to be set free in the ocean.
 ~に使 (つか) うことができる 特定 (とくてい) の 種類 (しゅるい) の
155. **4** can be used to help certain kinds of animals learn new tricks.

156. **(40) What is the biggest difficulty that S&V Technologies has discovered?**
 困難 (こんなん) なこと 発見 (はっけん) した
157. S&V Technologies が気付いた最大の困難とはなんですか。
 きづいた きだいたい こんなん
158. **1** It is difficult for veterinarians to decide which animals to treat first.
159. **2** Its equipment is too expensive for most veterinarians to buy.
160. **3** There are not enough veterinarians who can use its products.
161. **4** Few veterinarians have shown an interest in its training program.
 見 (み) せた 養成 (ようせい) 計画 (けいかく)

Review Questions



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169. *No, many animals both wild and domestic can also get them.*
 野生 (やせい) 飼 (か) われている
170. **5** What does the device created by S&V technologies allow a veterinarian to do?
 装置 (そうち) ~を許 (ゆる) す
171. *The veterinarian can treat an animal with cataracts without having it brought to a hospital.*
172. **6** How have people used the new device?
 装置 (そうち)
173. **①** *Two veterinarians were sent to China to treat bears with eye problems.*
174. **②** *An aquarium in California used the equipment to help a sea lion.*
 水族館 (すいぞくかん) 備品 (びひん) アシカ
175. **7** Has the equipment proven to be effective?
 証明 (しょうめい) された 有効 (ゆうこう) な
176. *Yes, the sea lion that had trouble performing tricks could perform perfectly after the operation.*
 演技 (えんぎ) 芸当 (げいとう) 演 (えん) じる
 手術 (しゅじゅつ)

177. **8)** Has this equipment been popular amongst veterinarians?

178. *Yes, although the equipment is expensive, there're many people who want to use it.*



解答: (37) 2 (38) 4 (39) 1 (40) 3



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