

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 eyesight can be lost completely.*
- 13. 3) What causes cataracts?
14. *Changes in the liquid inside the lens cause cataracts.*
- 15. _____

16. It is not only human beings, however, who suffer from cataracts. Many animals,
17. both wild and domestic, can also get them. Recently, a small German company
18. called S&V Technologies, has developed special equipment for treating animal
19. cataracts. One device is has developed in a portable machine for removing
20. diseased lenses. This allows a veterinarian who has to treat an animal with
21. cataracts to visit the animal rather than having it brought to a hospital.
22. The company has also developed special plastic lenses for animals' eyes. These
23. can be made in any size, from tiny ones for cats to large ones for animals such
24. as elephants.

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

***Choose the correct answer from these choices.**

52. **(37)** Today, people who suffer from cataracts
53. **1** need to change their contact lenses every day.
54. **2** can usually have the problem fixed by surgery.
55. **3** are able to treat the illness with a new medicine.
56. **4** often find their eye sights improve as they get older.
57. **(38)** What is one way that S&V Technologies has helped animals with cataracts?
58. **1** By donating machines for treating cataracts to many countries around the world.
59. **2** By developing equipment that lets veterinarians treat animals 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.
 87. ②-An aquarium in California used the equipment to help a sea lion.
 88. 7) Has the equipment proven to be effective?
 89. Yes, the sea lion that had trouble performing tricks could perform perfectly after
 90. the operation.
 91. 8) Has this equipment been popular amongst veterinarians?
 92. Yes, although the equipment is expensive, there're many people who want to use
 93. it.

解答: (37) 2 (38) 4 (39) 1 (40) 3



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日本語訳付

4[B] – The Gift of Sight 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.

共通 (きょうつう) の 原因 (げんいん) 視力 (しりょく) 白内障 (はくないしょう)
 影響 (えいきょう) を及 (およ) ぼす レンズ 患 (わずら) う
 白内障 (はくないしょう) ぼんやりした はっきりと
 蔽 (きび) しい 症例 (しょうれい) 失 (うしな) われる 完全 (かんぜん) に 白内障 (はくないしょう)
 普通 (ふつう) の いまでは 幸運 (こううん) にも
 治 (なお) る 手術 (しゅじゅつ) ~から離 (はな) れて
 取 (と) って代 (か) わる 人造 (じんぞう) の

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 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 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 (かがくぎじゆつ) 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)
111. treating animal cataracts. One device is has developed in a
持 (も) ち運 (はこ) びできる 機械 (きかい) 取 (と) り除 (のぞ) く 病気 (びょうき) になった
112. portable machine for removing diseased lenses. This
入 (はい) るのを許 (ゆる) す 獣医 (じゅうい) 治療 (ちりょう) する
113. allows a veterinarian who has to treat an animal with
～よりむしろ ～へ連 (つ) れてきた
114. cataracts to visit the animal rather than having it brought to a hospital. The
115. company has also developed special plastic lenses for animals' eyes. These can
ちっちゃな
116. be made in any size, from tiny ones for cats to large ones for animals such as
117. elephants.

Further Questions& sample answers



118. **4) Do only human beings suffer from cataracts?** にんげん はくないしょう わずら 人間だけが 白内障 を患 いますか。
野生 (やせい) 飼 (か) われている
119. *No, many animals both wild and domestic can also get them.*
装置 (そうち) ～を許 (ゆる) す
120. **5) What does the device reated by S&V technologies allow a veterinarian to do?**
はつめい そうち じゅうい かのう
121. S&V technologies が発明した装置は獣医が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.
最近 (さいきん)
124. Recently, for example, the Animal Health Trust, a British charity that helps
獣医 (じゅうい) くま
animals, sent two veterinarians to China to treat a group of bears with eye
持 (も) ち運 (はこ) びできる
problems. The veterinarians later said that without the new 治 (なお) る portable
equipment, it would have been impossible to 治 (なお) る cure these bears. In another case,
水族館 (すいぞくかん) アシカ
an aquarium in California used the equipment to help a sea lion that had
実行 (じっこう) する 芸当 (げいとう) 観客 (かんきやく)
trouble performing tricks for audiences because of cataracts.
手術 (しゅじゆつ) 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) ひとびと 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. その装置は有効であると証明されていますか。 装置 (そうち) 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. 申 (もう) し込 (こ) んだ
136. Many people have applied to learn, which is good news both for the company and for animals around the world suffering from cataracts. ~を患 (わずら) っている

Further Questions& sample answers



138. 8) Has this equipment been popular amongst veterinarians? 装置 (そうち) じゅうい あいだ にんき
139. この装置は獣医たちの間で人気ですか。
140. Yes, although the equipment is expensive, there're many people who want to use it.

*Choose the correct answer from these choices.

141. (37) Today, people who suffer from cataracts امروز、白内障を患っている人々は… きょう はくないしょう わずら ひとびと
142. 1 need to change their contact lenses every day.
143. 2 can usually have the problem fixed by surgery. 治 (なお) された 手術 (しゅじゅつ)
144. 3 are able to treat the illness with a new medicine. 病気 (びょうき) 薬 (くすり)
145. 4 often find their eye sights improve as they get older. 改善 (かいぜん) する 年 (とし) をとる

146. (38) What is one way that S&V Technologies has helped animals with cataracts? S&V Technologies が白内障の動物を助けるための一つの方法とはなんですか。 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?** 発見 (はっけん) した
 困難 (こんなん) なこと
157. S&V Technologies が気付いた最大の困難とはなんですか。
- 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



- 162.1) **What're cataracts?**
 病気 (びょうき) ~に悪影響 (あくえいきょう) をおよぼす
163. *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)
- 164.2) **What happens when a person has cataracts?**
165. *The lens becomes clouded making it difficult to see clearly, in severe cases eyesight can be lost completely.*
 ~になる 曇 (くも) る ~しにくい はっきりと 蔽 (きび) しい
 失 (うしな) う 完全 (かんぜん) に
- 166.3) **What causes cataracts?**
167. *Changes in the liquid inside the lens cause cataracts.*
 変化 (へんか) 液体 (えきたい) 水晶体 (すいしょうたい)
- 168.4) **Do only human beings suffer from cataracts?**
 ~を患 (わずら) う
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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