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Type B 日本語訳なしスマホの方は横にしてご覧下さい。日本語付はスクロールダウンするとございます4[C] - Desert Power2丁回に<br/>Lesson5 G2 Chobun TypeB10.2(4C)A2E

1. As the problem of global warming gets worse, governments around the world are

- 2. looking for ways to cut the amount of carbon dioxide being produced. Now, a
- 3. group of 20 German companies have come up with a plan to use the Sahara
- 4. Desert in North Africa to provide clean electricity to Europe. According to
- 5. Gerhard Knies of the Desertec Foundation, which is running the project, "Within
- 6. six hours, deserts receive more energy from the sun than humankind can
- 7. consume within a year." The companies hope to use this energy to create
- 8. electricity in a way that will not harm the environment.

## Further Questions& sample answers

- 9. 1) Why have governments been looking for ways to cut the amount of carbon dioxide being produced?
- 10. They're looking to cut it, because global warming is getting worse.



- 11.2) How much energy do deserts receive from the sun?
- 12. They receive more energy than humankind can consume within a year.
- 13. When people think of solar energy, they usually think of solar panels, which convert sunlight directly into electricity. The Desertec plan is different. The 14. foundation plans to build a line of solar power stations in the desert.
- 15. Solar power stations work by using the strong desert sunlight to turn water into 16. steam. This steam then turns turbines to create electricity. Solar power stations are 17. not new, and four stations like the ones Desertec plans to build have been producing 18. electricity in the desert in California for the last two decades. Desertec, however, plans 19. to build many more solar power stations and send the electricity produced from the 20. Sahara Desert to Europe through power lines.

## Further Questions& sample answers

- 21.3) How's the Desertec plan different from most solar energy plans?
- 22. They'll build solar power stations instead of solar panels.
- 23.4) How long have power stations like the ones Desertec wants to use been used?
- 24. Solar energy stations have been used in California for the past two decades.
- <sup>25</sup>.According to Desertec, solar power stations have many good points compared <sup>26</sup>.with solar panels. They are able to produce electricity in much larger quantities, <sup>27</sup>.and they are also able to store the sun's heat, allowing electricity to be produced <sup>28</sup>.at night as well as during the day. Moreover, the power stations are much <sup>29</sup>.cheaper to build relative to the amount of electricity they produce. Desertec says <sup>30</sup>.that its project could provide 15 percent of Europe's electricity by 2050.

## Further Questions& sample answers

31.5) What percentage of Europe's electrical needs can the project provide? 32. It could provide 15 percent of Europe's electricity by 2050.

33. Not everybody support the new plan. Some say that it would be better to 34.concentrate on producing solar panels for houses in Europe. Others say that the

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35.power stations will need too much water. Desertec, however, says that water 36.would be brought from the ocean and that electricity would be used to remove 37.the salt from this water. Some of this water could then be used by local farmers 38.for growing crops. In this way, the people in the countries where the stations 39.are built would also profit from the plan.

### Further Questions& sample answers

- 40.6) Why do some people not support Desertec's plans?
- 41.\_Some say that it would be better to concentrate on producing solar panels,
- 42.\_others say the power stations will need too much water.
- 43.7) How could people who live in the countries where the stations are built profit 44.from the plan?
- 45. Desertec would remove the salt from water and give some to the local farmers.

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

#### 46.(41) The Desertec Foundation aims to

- 47.1 encourage a group of 20 German companies to clean up the Sahara Desert.
- 48.2 make use of carbon dioxide found in North Africa to produce clean energy.
- 49.3 use the desert sun to provide energy without damaging the environment.
- 50.4 find a way to lessen the total amount of electricity that people consume each year.

# 51.(42) How will Desertec's solar power stations create electricity?

- 52.1 By using solar panels to make electricity from sunlight.
- 53.2 By heating water to make steam that will turn turbines.
- 54.3 By sending hot water from the Sahara Desert to Europe.
- 55.4 By connecting Africa's power system with the one in California.

## 56.(43) What is one difference between solar panels and solar power stations?

- 57.1 Solar panels can heat larger quantities of water.
- 58.2 Solar panels are able to produce much more energy.
- 59.3 Solar power stations are more common in Europe.
- 60.4 Solar power stations continue to work after dark.

### 61. (44) According to Desertec

- 62.1 the cost of solar panels is too high for many people in Europe.
- 63.2 the project will help local people by providing water for crops.
- 64.3 the power stations will require large amounts of salt to work properly.
- 65.4 the countries where the power stations are built will get free electricity.

## 66 (45) Which of the following statements about Desertec's plan is true?

- 67.1 The power station will be similar to ones operating in California.
- 68.2 Electricity from the power stations will be used to heat water at night.
- 69.3 The power stations will provide most of Europe's electricity by 2050.
- 70.4 Some people say that the power stations should be built in Europe.

## Review Questions

- 71.1) Why have governments been looking for ways to cut the amount of carbon dioxide being produced?
- 72. They're looking to cut it, because global warming is getting worse.
- 73.2) How much energy do deserts receive from the sun?
- 74. They receive more energy than humankind can consume within a year.
- 75.3) How's the Desertec plan different from most solar energy plans?
- 76. They'll build solar power stations instead of solar panels.
- 77.4) How long have power stations like the ones Desertec wants to use been used?
- 78. Solar energy stations have been used in California for the past two decades.
- 79.5) What percentage of Europe's electrical needs can the project provide?
- 80. It could provide 15 percent of Europe's electricity by 2050.
- 81.6) Why do some people not support Desertec's plans?
- 82. Some say that it would be better to concentrate on producing solar panels,
- 83.\_others say the power stations will need too much water.
- 84.7) How could people who live in the countries where the stations are built profit 85.from the plan?
- 86. Desertec would remove the salt from water and give some to the local farmers.

解答: (41)3 (42) 2 (43) 4 (44) 2 (45) 1





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Desert Power



Lesson5 G2 chobun

10.2(4C)A2E

地球温暖化(ちきゅうおんだんか) 悪化(あっか)して 政府(せいふ)

1. As the problem of global warming gets worse , governments around the 環(きが) している 量(りょう) 二酸化炭素 (にさんかたんそ)

2. world are looking for ways to cut the amount of carbon dioxide

作 (つく) り出 (だ) されている / へした ~を提案 (ていあん) する 3. being produced. Now, a group of 20 German companies have come up with a #供 (ていきょう) する 電力 (でんりょく)

4. plan to use the Sahara Desert in North Africa to provide clean electricity  $_{\sim (\mathcal{E},\mathcal{E},\mathcal{H})}$ 

to Europe. According to Gerhard Knies of the Desertec Foundation, which is 運営 (うんえい) している 計画 (けいかく) ペリカ (いない) で 受 (う) け取 (と) る

6. running the project , "Within six hours, deserts receive more

7. energy from the sun than humankind can consume within a year.

8. "The companies hope to use this energy to create electricity in a way that 環境 (かんきょう)

9. will not harm the environment.

### Further Questions&sample answers

10.1) Why have governments been looking for ways to cut the amount of carbon dioxide being produced? なぜ政府は二酸化炭素の排出を削減する方法を探しているのですか。

11. They're looking to cut it, because global warming is getting worse.

P4 Lesson 5. Copyright © eTOC-surely work-All Rights Reserved 長文読解デュアルメソッド英検 2 級レベル 12.2) How much energy do deserts receive from the sun? 砂漠はどのくらいのエネルギー資源を太陽から得ていますか。 14. They receive more energy than humankind can consume within a year. 15. When people think of solar energy, they usually think of 太陽電池板(たいようでんちばん) 転換(てんかん)する solar panels , which convert sunlight directly into electricity. 17. The Desertec plan is different. The foundation to build a of plans 18. solar power stations in the desert. Solar power stations work by using the 蒸気(じょうき) 蒸気 (じょうき) 19. strong desert sunlight to turn water into steam . This steam 回転(かいてん)させる turbines to create electricity. Solar power stations are not new, and four ずっと作(つく)り出(だ)している 21. stations like the ones Desertec plans to build have been producing electricity in the 22. desert in California for the last two decades . Desertec, however, plans to build 23. many more solar power stations and send the electricity produced from the ~を通(とお)って 動力(どうりょく) 24. Sahara Desert to Europe through power lines. turbines ニ流水、蒸気、ガスの力で回転する原動機 25. power lines=機械を動かす力 Further Questions& sample answers 26.3) How's the Desertec plan different from most solar energy plans? 多くの太陽光発電の計画と Desertec の計画の相違点は何ですか。 28. They'll build solar power stations instead of solar panels. 29.4) How long have power stations like the ones Desertec wants to use been used? 30. Desertec が使用したいと望んでいるような発電所はどのくらい使われていますか。 31. Solar energy stations have been used in California for the past two decades. 32. According to Desertec, solar power stations have many good points 33.compared with solar panels. They are able to produce electricity in much より多(おお)い 分量(ぶんりょう) 備蓄(びちく)する 34. larger quantities, and they are also able to the sun's heat, store ~するのを可能 (かのう) にする ~と同(おな)じように / electricity to be produced at night as well as during the day. allowing 36. Moreover, the power stations are much cheaper to build relative to the 37.amount of electricity they produce. Desertec says that its project could 供給(きょうきゅう)する 15 percent of Europe's electricity by provide Further Questions& sample answers

電気(でんき)の 需要(じゅよう)

39.5) What percentage of Europe's electrical needs can the project provide?

40. ヨーロッパの何パーセントの電気の需要をこの計画は供給できますか。

41. It could provide 15 percent of Europe's electricity by 2050.

- 48.countries where the stations are built would also profit from the plan.

### Further Questions& sample answers



- 49.6) Why do some people not support Desertec's plans? (Pick up the sentence from the paragraph.)
- 50. なぜ何人かの人々はDesertecの計画を支持していないのですか。
- 51. Some say that it would be better to concentrate on producing solar panels, others say the power stations will need too much water.
- 52.7) How could people who live in the countries where the stations are built profit from the plan? どのようにして発電所の地域に住む人々が計画から利益を得られますか。
- 53. Desertec would remove the salt from water and give some to the local farmers.

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

- 54.(41) The Desertec Foundation aims to Desertec基金は…にめざしている。
  - 励(はげ)ます
- 56.2 make use of carbon dioxide found in North Africa to produce clean energy.  $\phi$  ではて、  $\phi$  ではて、  $\phi$  ではて、  $\phi$  では、  $\phi$  では、
- 57.3 use the desert sun to provide energy without damaging the environment.

  i (へ) らす 全体 (ぜんたい) の 総額 (そうがく)

  58.4 find a way to lessen the total amount of electricity that people
- 消費 (しょうひ) する 毎年 (まいとし) consume each year.
- 59.(42) How will Desertec's solar power stations create electricity?
- 60.Desertec の太陽熱発電所はどのように電気を作り出しますか。
- By using solar panels to make electricity from sunlight. ~を加熱 (かねつ) することによって
- By heating water to make steam that will turn turbines.
- 63.3 By sending hot water from the Sahara Desert to Europe. 結 (むす) びつけることによって
- 64.4 By connecting Africa's power system with the one in California.
- 65.(43) What is one difference between solar panels and solar power stations?
- 66. 太陽電池板と太陽熱発電所の一つの違いは何ですか。
  - 熱(あつ)くなる 大(おお)きい 分量(ぶんりょう)
- 67. 1 Solar panels can heat larger quantities of water.
- 68.2 Solar panels are able to produce much more energy.
- 69.**3** Solar power stations are more common in Europe.
- 70.4 Solar power stations continue to work after dark.
- 71.72.73.

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- 74. (44) According to Desertec ひよると…
- 75.1 the cost of solar panels is too high for many people in Europe.
- 76.2 the project will help  $\underset{(1) \hookrightarrow 1}{\text{local}}$  people by providing water for  $\underset{(2) \hookrightarrow 1}{\text{crops}}$ .
- 77.3 the power stations will require large amounts of salt to work properly.
- 78.4 the countries where the power stations are built will get free electricity.
- 79.(45) Which of the following statements about Desertec's plan is true?
- 80. Desertec の計画について次に述べるどの事柄は真実ですか。
  - ~に似(に)ている ~で運営(うんえい)しているもの
- 81.1 The power station will be similar to ones operating in California.
- 82.2 Electricity from the power stations will be used to heat water at night.
- 83.3 The power stations will provide most of Europe's electricity by 2050.
- 84.4 Some people say that the power stations should be built in Europe.

## Review Questions



- 85.1) Why have governments been looking for ways to cut the amount of carbon dioxide being produced?
- 86. They're looking to cut it, because global warming is getting worse.
- 87.2) How much energy do deserts receive from the sun?
- 88. They receive more energy than humankind can consume within a year.
- 89.3) How's the Desertec plan different from most solar energy plans?
- 90. They'll build solar power stations instead of solar panels.
- 91.4) How long have power stations like the ones Desertec wants to use 使 (つか) われてきた been used?
- 92. Solar energy stations have been used in California for the past two decades.
- 93.5) What percentage of Europe's electrical needs can the project provide?
- 94. It could provide 15 percent of Europe's electricity by 2050.
- 95.6) Why do some people not support Desertec's plans?
- 96. Some say that it would be better to concentrate on producing solar panels, others say the power stations will need too much water.
- 97.7) How could people who live in the countries where the stations are built profit from the plan?
- 98. Desertec would remove the salt from water and give some to the local farmers.

