

3. The 2010 oil spill in the Gulf of Mexico has led to renewed calls from
4. clean-energy proponents for the United States to end its dependence on
5. petroleum.
6. They also cite air pollution, global warming, and acid rain as proof that the oil
7. habit is dangerous, both to the environment and human health.
8. Environmentalists have long warned of the danger of using fossil fuels in general,
9. and have recommended shifting public policy to limit oil dependence.
10. Since the 1970s, U.S. presidents have used such warnings to get elected,
11. promising to reduce the country's reliance on both foreign and domestic oil by
12. exploring alternative sources of energy.
13. Yet the promises are soon forgotten, public policy remains unchanged, and every
14. year sees an increase in petroleum use.

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26. to oil drilling, conservative blogger Harrison Price writes that the notion of
27. turning America away from petroleum is “just plain absurd. Oil is responsible
28. for the lives we have today, both in terms of the conveniences we take for
29. granted as well as the quality of life it provides.”
30. He lists hundreds of examples of petroleum-derived products and asks which we
31. could do without.
32. The list includes plastics, textiles, beauty products, building materials, road
33. materials, office products, medicines, home furnishings, and even food,
34. emphasizing that Americans' reliance on oil goes beyond the obvious use of
35. gasoline.

36. Further Questions & Sample Answers

37. **3)** Why does Harrison Price say that turning away from petroleum is just plain
38. absurd?
39. *He says that oil is responsible for the lives we have today, (both in terms of the*
40. *conveniences we take for granted as well as the quality of life it provides.)*

41.4) What're some examples of petroleum-derived products?

42. *Plastics, medicines, home furnishings and even food are petroleum-derived*
43. *products.*

44. Because petroleum is so central to Americans' everyday lives, the energy
45. industry has long considered environmentalists' goal of reducing petroleum
46. consumption to be unrealistic.

47. What is more, projections by the U.S. Energy Information Administration
48. anticipates further increases in petroleum use—not just in the United States,
49. but world-wide, as developing countries aspire to a higher standard of living.
50. However, some analysts, such as Kevin Knobloch, president of the Union of
51. Concerned Scientists, believe that it is possible to enjoy modern standards of
52. living without overreliance on oil.

53. Since transportation accounts for 70 percent of U.S. petroleum use, the key is a
decrease in the amount of petroleum needed to transport people and goods.

Knobloch says that a major switch to fuel-efficient hybrid or alternative-fuel

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66. including pesticides and preservatives, is itself an argument for change.

67. Studies indicate that the petroleum-based chemicals in such products interfere
68. with the body's endocrine system.

69. Since the endocrine system is responsible for regulating metabolism, growth,
70. and tissue function, this can result in infertility, obesity, depression, and a host
71. of other health problems.

72. As more is learned about the effects of petroleum-based chemicals on human
73. health, Harrison Price and others who find the idea of life without petroleum
74. unthinkable may need to reconsider.

Further Questions&Sample Answers



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75.7) What do studies indicate about petroleum-based food?

76. *Petroleum-based chemicals interfere with the body's endocrine system.*

77.8) What does the endocrine system do?

78. *It's responsible for regulating metabolism, growth and tissue function.*

79. *Choose the correct answer from these choices.

80. (38) What can be said of environmentalists' warnings about U.S.

81. dependence on petroleum?

82. 1. They have resulted in a small but important shift in public policy over the last
83. 40 years regarding the use of petroleum.

84. 2. They have inspired some political leaders to put into effect new policies that
85. have met with surprisingly little resistance.

86. 3. They have played an important role in political campaigns over the past four
87. decades but they have not been practically addressed.

88. 4. They have often been ignored by politicians due to insufficient evidence of
89. widespread environmental harm related to petroleum use.

90.

91. (39) What is one point Harrison Price makes in his blog?

92. 1. Current laws restricting oil drilling in the United States are influencing
93. attitudes towards drilling worldwide.



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106. little potential in developing countries.

107. 4. Attempts to reduce the dependence of developing countries on petroleum will
108. hurt their economic growth.

109. (41) According to the author of the passage, what is one consequence of the use
110. of petroleum-based chemicals in products?

111. 1. People's acceptance of such chemicals in food preservatives has led to a
112. variety

113. of other unhealthy substances being used in food production..

114. 2. The standard of living in wealthy countries has continued to improve because
115. such chemicals are being used in a larger range of products.

116. 3. Doctors are finding it increasingly difficult to treat the range of health
117. problems that occur when the body absorbs such chemicals.

118. 4. Being exposed in such chemicals has a negative effect on the body's ability to
119. control important physical processes.

119. **Review Questions**

120. 1) What do clean-energy proponents cite as the reasons to end dependence on
 121. petroleum?
 122. *They cite air pollution, global warming and acid rain as proof that the oil habit
 123. is dangerous.*
124. 2) What have U.S. presidents done to get elected since the 1970s?
 125. *They've promised to reduce the country's reliance on both foreign and
 126. domestic oil by exploring alternative sources of energy.*
127. 3) Why does Harrison Price say that turning away from petroleum is just plain
 128. absurd?
 129. *He says that oil is responsible for the lives we have today, (both in terms of the
 130. conveniences we take for granted as well as the quality of life it provides.)*
131. 4) What're some examples of petroleum-derived products?
 132. *Plastics, medicines, home furnishings and even food are petroleum-derived
 133. products.*

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3[C] – The Role of Petroleum in Our Lives



Lesson5

AP1E 11-2

147. The 2010 oil spill in the Gulf of Mexico has led to renewed calls from
 148. clean-energy proponents for the United States to end its
 149. dependence on petroleum.
150. They also cite air pollution, global warming, and acid rain as
 151. proof that the oil habit is dangerous, both to the environment and
 152. human health.
153. Environmentalists have long warned of the danger of
 154. using fossil fuels in general, and have recommended shifting public
 155. policy to limit oil dependence.

156. Since the 1970s, U.S. ^{大統領 (だいてうりょう)} presidents ^{警告 (けいこく)} have used such warnings
選挙 (せんきょ) で選 (えら) ばれる 減 (へ) らす
157. to get elected ^{外国 (がいこく) の} , promising to ^{国内 (こくない) の} reduce the country's
探 (たん) 究 (きゅう) する 代 (か) わりの
158. reliance on both foreign and domestic oil by exploring alternative
源 (みなもと)
159. sources of energy.
公約 (こうやく)
160. Yet the promises are soon forgotten, public policy remains unchanged, and
忘 (わす) れられる 変化 (へんか) しない
161. every year sees an increase in petroleum use.
増加 (ぞうか) 石油 (せきゆ)

Further Questions&Sample Answers

162. 1) What do clean-energy proponents cite as the reasons to end dependence on
 163. petroleum? クリーンエネルギー支持者達は石油依存を終わらせる理由として何を言及していますか。
言及 (げききゅう) する
164. They cite air pollution, global warming and acid rain as proof that the
 165. oil habit is dangerous.

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- ^{停止 (ていし)} halt ^{石油掘削 (せきゆくつさく)} to oil drilling ^{保守的 (ほしゆてき) な} , conservative ^{ブログを書 (か) く人 (ひと)} blogger ^{全 (まった) く} Harrison Price writes
概念 (がいねん) that the notion of turning America away from petroleum is “just plain
ばかげている absurd.
責任 (せきにん) がある
174. Oil is responsible for the lives we have today, both in terms of the
利便性 (りべんせい) 当然 (とうぜん) のことだと思 (おも) う 生活 (せいかつ) の質 (しつ)
 conveniences we take for granted as well as the quality of life it
 provides.”
175. He lists hundreds of examples of petroleum-derived products and asks which
 we could do without.
176. The list includes plastics, textiles, beauty products, building materials,
道路 (どうろ) road materials, office products, medicines, home ^{織物 (おりもの)} furnishings ^{建築 (けんちく) 材料 (ざいりょう)} , and
食物 (しょくもつ) でさえ 強調 (きょうこう) する 備 (そな) え付 (つ) け家具 (かぐ)
 even food, emphasizing that Americans' reliance on oil goes beyond the
明白 (めいはい) な obvious use of gasoline.

Further Questions& Sample Answers



179. **3) Why does Harrison Price say that turning away from petroleum is just plain**
 180. **absurd?** なぜ Harrison Price は石油からそむくことは全く馬鹿げていると言うのですか。
 181. *He says that oil is responsible for the lives we have today, (both in terms of the*
 182. *conveniences we take for granted as well as the quality of life it provides.)*
 183. **4) What's some examples of petroleum-derived products?**
 184. 石油から作られる製品にはどのような物がありますか。
 185. *Plastics, medicines, home furnishings and even food are petroleum-derived products.*

186. Because petroleum is so central to Americans' everyday lives, the
石油 (せきゆ) 中心 (ちゅうしん) 日常生活 (にちじょうせいいかつ)
エネルギー産業 (さんぎょう) 熟考 (じゅくこう) した 環境保護主義者 (かんきょうほごしゅぎしゃ) 削減 (さくげん)
 187. energy industry has long considered environmentalists' goal of reducing
石油 (せきゆ) 消費 (しょうひ) 非現実的な (ひげんじつてきな) プロジェクション
 188. petroleum consumption to be unrealistic . What is more, projections by
エネルギー 情報 (じょうほう) 管理局 (かんりきょく) 予想 (よそう) する さらなる 増加 (ぞうか)
 189. the U.S. Energy Information Administration anticipates further increases

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199. approximately 5.7 million barrels a day by 2020 and 7.5 million barrels a
 200. day by 2030.”

Further Questions& Sample Answers



201. **5) What do projections by the U.S. Energy Information Administration**
 202. **anticipate?** アメリカエネルギー情報局が予想している予測は何ですか。
 203. *They anticipate further increases in petroleum use—not just in the United*
 204. *States, but also world-wide.*
 205. **6) How does Kevin Knobloch say that U.S. petroleum use can be decreased?**
 206. Kevin Knobloch はどのようにアメリカの石油消費は減少すると言っていますか。
代替燃料 (だいたいねんりょう)
 207. *He says that a major switch to fuel-efficient, hybrid or alternative-fuel*
乗物 (のりもの) 消費 (しょうひ)
 208. *vehicles would cut U.S. oil consumption.*

209. The fact is that petroleum is used in many products that end up in food,
事実 (じじつ) 製品 (せいひん)
殺虫剤 (さつちゅうざい) 防腐剤 (ぼうふざい) 議論 (ぎろん)
 210. including pesticides and preservatives, is itself an argument for change.

研究 (けんきゅう) 指摘 (してき) する

211. Studies indicate that the petroleum-based chemicals in such products
干渉 (かんしょう) する 内分泌 (ないぶんびつ) 器官 (きかん)
212. interfere with the body's endocrine system. Since the endocrine system
新陳代謝 (しんちんたいしゃ) 組織 (そしき) 機能 (きのう)
213. is responsible for regulating metabolism, growth, and tissue function,
不妊症 (ふにんしょう) 肥満 (ひまん) うつ病 (びょう)
214. this can result in infertility, obesity, depression, and a host of other health
215. problems. As more is learned about the effects of petroleum-based chemicals on
216. human health, Harrison Price and others who find the idea of life without
考 (かんが) えられない 再考 (さいこう) する
217. petroleum unthinkable may need to reconsider.

Further Questions&Sample Answers



218. 7) What do studies indicate about petroleum-based food?

219. 石油 (せきゆ) からなる 食物 (しょくもつ) について 研究 (けんきゅう) は何 (なん) と指摘 (してき) していますか。
現実 (げんじつ) に 対応 (たいおう) して

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226. 40 years regarding the use of petroleum.
~に関 (かん) して
227. 2. They have inspired some political leaders to put into effect new policies that
驚 (おどろ) いたことに
228. have met with surprisingly little resistance.
229. 3. They have played an important role in political campaigns over the
過去 (かこ) 40年間 (ねんかん) ほとんど
230. past four decades but they have not been practically addressed.
231. 4. They have often been ignored by politicians due to insufficient evidence of
不十分 (ふじゅうぶん) な 証拠 (しょうこ)
232. widespread environmental harm related to petroleum use.

233. (39) What is one point Harrison Price makes in his blog?

234. Harrison Price が彼のブログの中でポイントにあげている1つは何ですか。
制限 (せいげん) する

235. 1. Current laws restricting oil drilling in the United States are influencing
236. attitudes towards drilling worldwide.

237. **2.** Petroleum use could be significantly reduced if people eliminated just some unnecessary products in their lives.
238. of the unnecessary products in their lives.
239. **3.** People would buy products that conserve energy and decrease the need for petroleum if such products were widely available.
240. petroleum if such products were widely available.
241. **4.** Americans should not be expected to give up using petroleum as it allows them to maintain their current lifestyles.
242. them to maintain their current lifestyles.
243. **(40) Analyst Kevin Knobloch argues that** analysis of Kevin Knobloch が議論していることは…
244. **1.** U.S. dependence on oil can be reduced if there is a large-scale change in the way transportation is powered.
245. way transportation is powered.
246. **2.** domestic oil production in the United States needs to increase significantly to meet the demand vehicle owners have for fuel.
247. to meet the demand vehicle owners have for fuel.

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257. **2.** The standard of living in wealthy countries has continued to improve because such chemicals are being used in a larger range of products.
258. because such chemicals are being used in a larger range of products.
259. **3.** Doctors are finding it increasingly difficult to treat the range of health problems that occur when the body absorbs such chemicals.
260. problems that occur when the body absorbs such chemicals.
261. **4.** Being exposed in such chemicals has a negative effect on the body's ability to control important physical processes.
262. ability to control important physical processes.

Review Questions



263. **1)** What do clean-energy proponents cite as the reasons to end dependence on petroleum?
264. petroleum?
265. They cite air pollution, global warming and acid rain as proof that the oil habit is dangerous.
266. oil habit is dangerous.

267. 2) What have U.S. presidents done to get elected since the 1970s?

268. *They've promised to reduce the country's reliance on both foreign and*

269. *domestic oil by exploring alternative sources of energy.*

270. 3) Why does Harrison Price say that turning away from petroleum is just plain

271. absurd?

272. *He says that oil is responsible for the lives we have today,*

273. *(both in terms of the conveniences we take for granted as well as the quality of life it provides.)*

274. 4) What're some examples of petroleum-derived products?

275. *Plastics, medicines, home furnishings and even food are petroleum-derived products.*

276. 5) What do projections by the U.S. Energy Information Administration

277. anticipate?

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287.

解答: (38) 3 (39) 4 (40) 1 (41) 4



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