

2023 年度 消費情報環境法学科

英 語

〔自己推薦 A O (A)〕 14-J 1

注 意

1. 監督者の合図があるまで問題冊子は開かないでください。
2. 解答はすべて解答用紙のきめられた箇所に記入してください。

[I] バイオプラスチックについて書かれた以下の文章を読み、設問に答えなさい。

(1) A British firm says it has produced the world's first bioplastic vinyl record, which it hopes will reduce the need for highly toxic PVC.

Bioplastics are derived from sources such as sugars and starches — rather (①) oil or gas — and do not create any toxic waste in their production.

The new bioplastic vinyl by UK firm Evolution has been endorsed by NGO Music Declares Emergency, a climate change campaign group set up in 2019 by artists and music industry professionals.

“If Evolution can deliver an alternative guilt-(②) vinyl, it could get (③) one of the key polluting elements of the music industry completely,” the NGO's co-founder Lewis Jamieson told AFP.

Currently, all vinyl records are made from Polyvinyl chloride, or PVC — described by Greenpeace as “the most environmentally damaging plastic”, whose production release, chlorine-based chemicals that are “building up in the water, air and food chain”.

The issue has come to the fore thanks to the recent boom in vinyl sales — which surpassed \$1 billion last year in the United States alone (a first since the mid-1980s).

(3) Few anticipated the vinyl revival that began in the mid-2000s, so record companies found themselves scrambling to secure PVC — often relying on foreign firms with poor safety records.

Kyle Devine, who wrote a book on the environmental impact of the music industry, “Decomposed”, said the PVC for 90 percent of U.S. vinyls in 2015 came from a Thai company that was “pouring pollution into the Bangkok river”.

“PVC is an especially nasty plastic (④). It's a difficult one to dispose of, to recycle or decompose,” he told AFP.

He added that it would be wrong to see the current dominance of streaming and digital music as an answer to the industry's climate impact.

“Digital data still takes up space and uses energy. In fact, (⑤) the current size and spread of the music industry, it's likely more environmentally-taxing than

(⑥) before,” Devine said.

Evolution released the first 20 records made with the bioplastic via a prize draw — a compilation of young artists including electro duo Bicep and U.S. singer Angel Olsen.

It (⑦) almost five years of testing due to delays caused by the COVID pandemic, but the firm says they are close to matching regular records.

“It presses the same as PVC,” said co-founder Marc Carey. “The final piece of the puzzle is there is a (⑧) of surface noise when you play the record so we are working on that. We think we are two weeks away from finalizing the recipe.”

Music Declares Emergency is clear that changing the production of vinyl records will do little for the bigger picture on climate change, but Jamieson said such innovations were symbolically important.

“It reminds people that (⑨) sustainability doesn’t mean you have to live in a mud hut and have (⑩) fun,” he said.

[単語解説]

firm：会社，bioplastic：バイオプラスチック（生物由来の資源を原料にしたプラスチック），vinyl：ビニール，record：アナログレコード盤，toxic：有毒な，PVC：ポリ塩化ビニル，starches：でんぷん，Evolution：音楽会社の名前（正式名は“Evolution Music”），endorse：支持する，NGO：非政府組織，co-founder：共同創設者，AFP：フランス通信社，Greenpeace：国際環境 NGO グリーンピース，surpass：超える，vinyl revival：ビニール製アナログレコード盤の人気復活，compilation：音楽アルバムの編集，mud hut：泥壁の小屋

出典：Eric Randolph, “World’s first bioplastic vinyl record launched in UK,” *Japan Today* <<https://japantoday.com/category/tech/world's-first-bioplastic-vinyl-record-launched-in-the-uk>> (July 21, 2022).

問1 ①～⑩に入れる最も適切な語句を、それぞれ示された選択肢の中から一つ選んで書きなさい。

- | | |
|------------------------------------|----------------------------------|
| ① (than, to, as) | ② (in, out, free) |
| ③ (taken off, escape from, rid of) | ④ (to make, made in, making) |
| ⑤ (given, while, if) | ⑥ (more, ever, never) |
| ⑦ (takes, took, has taken) | ⑧ (little bit, small bits, fews) |
| ⑨ (thinks, thinking, thought) | ⑩ (never, no, neither) |

問2 下線部(1)を日本語に訳しなさい。

問3 下線部(2)がどういう組織か、問題文中に書かれていることを日本語で説明しなさい。

問4 下線部(3)を日本語に訳しなさい。

問5 この問題文では、音楽業界がバイオプラスチックを取り入れることが地球温暖化にどのような意味を持つと述べられているか、100字以内の日本語で説明しなさい。

〔Ⅱ〕 次の各文の空所に入る最も適切な英単語を書きなさい。

- (1) It is not only a legal problem [] a moral one.
- (2) She mentioned a movie, the title of [] I cannot remember.
- (3) [] been brought in a small village, he cannot adapt to this fast-paced city.
- (4) I cannot afford the time, to say [] of the money.
- (5) Weather [], we will be able to see an eclipse of the moon tonight.

〔Ⅲ〕 次の文章を英語に訳しなさい。

- (1) その法律上の問題は、考えれば考えるほど、難しいもののように思えた。
- (2) それを聞くと彼らは怒るだろうから、あなたはそれを言わないでおくのが賢明でしょう。
- (3) 東京2020オリンピックで、東京スタジアムへサッカーの試合を見に行けていたらよかったのに。