

◇ 英 語

英 3-1～英 3-10 まで 10 ページあります。

I 次の英文を読み、設問に答えなさい。解答はすべて所定の解答欄にマークしなさい。

For centuries, farmers living near the ocean have been feeding their cows seaweed. Little did they realize that their animals' seaweed diet might be good for the planet.

As a cow digests food, its stomach produces *methane. This greenhouse gas is a main cause of climate change. According to the United Nations Food and Agriculture Organization, of all the greenhouse gas caused by human activity, nearly 15% is emitted by livestock like cows and sheep.

Animals release more toxic gas than the world's cars and airplanes combined. Even worse, methane is 30 times more damaging to the environment than the global-warming gas carbon dioxide, or CO₂.

Scientists say adding seaweed to a cow's diet can reduce the amount of toxic gas it releases. Rob Kinley, of James Cook University, in Australia, is one of the scientists researching the seaweed diet. He tested more than 40 kinds of ocean plants before finding **a red alga he calls "super seaweed."

Cows that eat the plant release 99% less methane than other cows. "This is a huge punch to emissions from agriculture," Kinley says.

Kinley says this red seaweed only needs to make up 2% of a cow's diet for it to work. The problem: There is not enough red algae to feed the world's 1.5 billion cows. "Whoever can grow it would be a real pioneer," Kinley says.

The farming industry is eager to get started. But Kinley says more testing is needed to determine the full range of benefits seaweed might offer. "The complete elimination of methane without negative impacts on the production of milk and beef is the best you can ever get," he says.

*methane ---メタンガス

**a red alga --- 赤藻

解答番号

1

～

6

本文の内容に合うように、次の1～6の文を完成させるのに最も適切な表現を①～④から一つずつ選びなさい。

1 Farmers who have been feeding their cows seaweed ().

1

- ① didn't live near the sea
- ② had been doing this for less than 100 years
- ③ have always known their actions were helping the earth
- ④ were unaware that their actions were helping the earth

2 After eating food, a cow's stomach generates ().

2

- ① a gas that adds to climate change
- ② a gas that helps slow down climate change
- ③ food for the ocean
- ④ food for farmers

3 According to the passage, farm animals produce almost () of the greenhouse gas caused by human activity.

3

- ① two percent
- ② fifteen percent
- ③ fifty percent
- ④ ninety-nine percent

問題は次のページに続きます。

4 Scientists found that feeding cows the red alga ().

4

- ① completely eliminated the amount of methane gas released
- ② greatly reduced the amount of methane gas released
- ③ had little effect on the amount of methane gas released
- ④ slightly reduced the amount of methane gas released

5 To be an effective greenhouse reducer, it was found that ().

5

- ① a balance of 50% grass and 50% red seaweed is needed
- ② a blend of 40 types of seaweed is needed
- ③ a high percentage of a cow's diet needed to be red seaweed
- ④ only a very small percentage of a cow's diet needed to be red seaweed

6 One of the reasons preventing the farming industry from using these research findings is () red seaweed.

6

- ① the lack of
- ② too much
- ③ the cost of
- ④ opposition from farmers to

このページは空白です。

II 次のレストランでの会話で、空所 ～ に入る表現を選択肢
①～⑨から一つずつ選び所定の解答欄にマークしなさい。

(Three people are ordering a meal in a restaurant.)

Waiter: Good evening. Are you ready to order?

Mary: Well, first, () what is today's soup?

Waiter: It's tomato soup. It's very good.

Mary: Okay. I'd like soup as a starter. And then could I have
the fish-of-the-day for my main course?

Waiter: () with salad?

Mary: With vegetables, please.

Waiter: Certainly, madam.

Ellen: I'd like the same for my starter, please. And then I'd like
Pasta Carbonara for my main course, with salad.

Waiter: (), sir?

John: Could I have risotto as a starter, please? And then, what is
Chicken Amalfi?

Waiter: It's our specialty. It's chicken with a tomato and mushroom
sauce.

John: That sounds good. I'd like that, please.

Waiter: And would you like something to drink?

John: Mary, Ellen, () wine?

Mary: I'd love a glass of white wine.

Waiter: The house wine?

Mary: Yes, that's fine. Thanks.

Ellen: I'd just like some sparkling water.

John: Okay. Two glasses of the house white wine and a bottle of sparkling water, please.

Waiter: Very good.

(The waiter leaves.)

Ellen: () very good desserts here, too.

The ice cream is wonderful.

Mary: () Italian ice cream.

John: Me too.

解答番号

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- ① And for you
- ② can you tell me please
- ③ Great. I love
- ④ how much is the
- ⑤ Is that
- ⑥ Isn't that
- ⑦ They are
- ⑧ They have
- ⑨ would you like

III 次の広告を読んで、設問に答えなさい。解答はすべて所定の解答欄にマークしなさい。

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- can be used to make/ receive both national and international calls.
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After 20 days	Yen 100 per additional day		

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解答番号

13

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22

次の1～10について、広告の内容に合うものはそれぞれの解答欄の①を、広告の内容に合わないものは解答欄の②をマークしなさい。

- | | | |
|----|--|----|
| 1 | You cannot call overseas with this phone. | 13 |
| 2 | The network used to be operated by Telstra. | 14 |
| 3 | The phone manual is very complicated. | 15 |
| 4 | A straight type phone is more expensive than a sliding type. | 16 |
| 5 | The folding type phone is the heaviest type. | 17 |
| 6 | The longer you rent any phone, the cheaper the average daily cost becomes. | 18 |
| 7 | If you make a phone call, you will need to pay an extra charge. | 19 |
| 8 | If you call this company at 7 p.m. Japan time, a staff member will answer. | 20 |
| 9 | You can take photos with these phones. | 21 |
| 10 | All phone types have a memory card slot. | 22 |

IV 次の1～5の空所に入れるのに最も適切な語句を①～④から一つずつ選びなさい。
解答はすべて所定の解答欄にマークしなさい。

1 She () me the book I asked for.

23

- ① just giving ③ do just give
② has just given ④ just given

2 I can't come to see you today because I haven't got () time.

24

- ① a ③ much
② many ④ some

3 Leave the book () you found it. I'll pick it up later.

25

- ① at ③ when
② at where ④ where

4 This method seems () the other one.

26

- ① better successful than ③ more successful
② successful as ④ more successful than

5 A: I see you have found your laptop that you misplaced yesterday.

27

B: Yes, but now I () my cell phone!

- ① am losing ③ have lost
② had lost ④ loses

V 次の1～3において語群を並べ替えて意味の通じる英文を作りなさい。語群から文の指定された二ヶ所に入る語句を選び、その語句の番号を所定の解答欄にマークしなさい。

1 After undergoing () () (), () () () to walk now.

- | | | |
|----|---------------|------------------|
| 語群 | ① able | ④ the patient |
| | ② is | ⑤ therapy course |
| | ③ three-month | ⑥ a |

2 The police officer () me () () () () () was speeding.

- | | | |
|----|-----------|-----------|
| 語群 | ① because | ④ ordered |
| | ② he | ⑤ thought |
| | ③ I | ⑥ to stop |

3 Our host gave () () a huge meal () () () () for an hour afterwards.

- | | | |
|----|------------|--------|
| 語群 | ① move | ④ that |
| | ② couldn't | ⑤ us |
| | ③ such | ⑥ we |