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NOTE: Choose option A or B, and answer the questions from 1 to 4. For question 5, you can choose to write the composition that you like best, from either option A or option B.

OPTION A

**ROBOT COOKS ARE RAPIDLY MAKING THEIR WAY INTO RESTAURANT
KITCHENS**

Before the end of 2024, a brand-new pizza firm plans to hit the Los Angeles area. But this isn't just another pizza place. This company plans to serve pizza from trucks and the pies themselves are put together not by humans but by robotics developed by engineers from SpaceX. The machine can produce a pizza every 45 seconds.

- 5 Benson Tsai, who founded Stellar Pizza in 2019 along with fellow SpaceX engineers Brian Langone and James Wahawisan, got about two dozen former SpaceX employees to build a touchless pizza-making machine that fits in the back of a truck.

Robot chefs becoming “commonplace”

- 10 Jake Brewer, Miso Robotics' chief strategy officer, said such machinery will soon be commonplace in restaurants: “You can go see robots cooking right now and that's only going to grow week over week.”

Chipotle Mexican Grill worked with Miso Robotics to customize the “Chippy” robot, which cooks and seasons Chipotle's chips with salt and fresh lime juice. The robot is trained to recreate the exact recipe using artificial intelligence. The company plans to use it in a restaurant in Southern California later this year and will determine if it will launch it nationally.


- 15 Part of the adoption is driven by an inability to find workers. A recent report from Lightspeed found that 50% of restaurant owners plan to install automation technology within the next three years. For Chipotle, it's not about replacing workers but allowing them to complete more impactful tasks than repetitive things like making chips.

- 20 Clemson University professor Richard Pak, an expert on the use of autonomous technology, said automation works better for food that is cheap. “When you're paying for it, when you're paying more, you're paying for experience and artistry,” he said. “And so, I don't know if these kinds of robots would be acceptable in higher-end restaurants.”

- 25 Yet there is some concern in the broader restaurant market as well. A recent poll by Big Red Rooster found that a third of diners don't want to see robots preparing their food. (Fragment adapted from CNBC.COM.)

1) BRIEFLY ANSWER ONLY 4 OUT OF THE FOLLOWING 6 QUESTIONS WITH ONLY THE DATA REQUIRED (NOT A WHOLE SENTENCE) (2 POINTS; 0.5 POINTS EACH).

1. What does ‘this’ refer to in line 1?
2. How frequently can the robotic pizza-making machine developed by Space X engineers produce a pizza?
3. Does Jake Brewer believe that robot chefs will become more common in restaurants?
4. What does the “Chippy” robot cook?

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5. What factor is partially driving the adoption of automation technology in restaurants?
6. Does Clemson University professor Richard Park believe that automation works better for expensive food?

2) ARE THE FOLLOWING STATEMENTS TRUE OR FALSE? INDICATE THE LINES THAT SUPPORT YOUR ANSWER (1 POINT).

1. Chipotle Mexican Grill collaborated with Miso Robotics to create a robot named “Chippy” for handling customer service.
2. The recent poll by Big Red Rooster revealed that all diners welcome the idea of robots preparing their food.

3) CHOOSE a OR b, ONLY ONE CHOICE IS CORRECT ACCORDING TO THE TEXT (1 POINT). POR AQUI

- a) Former SpaceX employees were involved in building a touchless pizza-making machine that fits in the back of a truck for Stellar Pizza.
- b) Jake Brewer, Miso Robotics’ chief strategy officer, predicts that robots cooking in restaurants will decline over time.

4) VOCABULARY (2 POINTS).

4.1 Choose one of the options below and find one word in the text for its definition (0.6 POINTS):

- a) A large road vehicle that is used for transporting large amounts of goods.
- b) A set of instructions telling you how to prepare and cook food.

4.2 Find a synonym in the text for one of the two words below (0.6 POINTS):


- a) inexpensive
- b) survey

4.3 For one of the following words from the text, give a synonym that fits the meaning of the text (0.8 POINTS):

- a) fellow (line 5)
- b) concern (line 23)

5) WRITE ABOUT THE FOLLOWING TOPIC USING BETWEEN 120-150 WORDS (4 POINTS).

Discuss the advantages and disadvantages of having a robot cooking for you.

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NOTE: Choose option A or B, and answer the questions from 1 to 4. For question 5, you can choose to write the composition that you like best, from either option A or option B.

OPTION B

DOES DNA HOME TESTING REALLY UNDERSTAND RACE?

5 Last year, I did what 12 million people from all over the world have done and surrendered my spit to a home DNA-testing company. I hoped a MyHeritage test would bring me the peace I needed; my Irish mother had never been able to give me any information about my biological father. Raised by her and my white dad, I'd always longed for help answering the "Where are you from?" question. I'd spent years making up exotic-sounding combinations to justify my appearance.

10 The results arrived by email on a summer's day last year. I clicked on the "ethnicity estimate" link, which offers an analysis of DNA by country. The test showed that my blackness comes from Nigeria; 43% of my DNA, in fact. Then there's 1% from Kenya, and the rest from Great Britain and Ireland (55%), as well as eastern Europe (1%). I'd often been told I looked east African, or mixed with multiple countries, so I was surprised by what was nearly a 50/50 split. I had no cultural knowledge of Nigeria. Did the results mean my very distant ancestors were Nigerian, or that my biological father was probably from there? I felt more confused than ever.

15 This wasn't quite what the adverts had promised. Marketing for home-testing kits shows smiling models under the banner "find out your ethnicity", or urges people to book holidays based on their "DNA story". While DNA home tests are more popular than ever, people are starting to raise questions about what happens after having the results. Concerns about the storage of sensitive genetic information were highlighted recently, when an open-source DNA testing site, GEDmatch, was used by the police to identify California's Golden State Killer. As well as privacy concerns, there are the emotional consequences of receiving confusing or life-changing results. Identities that have been cherished by families for generations
20 can be dismantled overnight. Ancestry is a legacy, not a bloodline. Our genetic script may be one of the most valuable things we own, but it's never the whole story. (Fragment adapted from *The Guardian*.)


1) BRIEFLY ANSWER ONLY 4 OUT OF THE FOLLOWING 6 QUESTIONS WITH ONLY THE DATA REQUIRED (NOT A WHOLE SENTENCE) (2 POINTS; 0.5 POINTS EACH).

1. Was the author hoping for confusion and distress from the MyHeritage test?
2. Did the author receive the DNA test results by postal mail last year?
3. Where did the author's blackness come from according to the test results?
4. How did the author feel about the unexpected 50/50 split in their DNA results?
5. What does "their" refer to in line 14?
6. What open-source DNA testing site was used by the police to identify California's Golden State Killer?



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2) ARE THE FOLLOWING STATEMENTS TRUE OR FALSE? INDICATE THE LINES THAT SUPPORT YOUR ANSWER (1 POINT).

1. The author's Irish mother provided extensive information about the biological father, making the DNA test unnecessary.
2. The author wondered if the DNA results indicated Nigerian ancestry or a Nigerian biological father.

3) CHOOSE a OR b, ONLY ONE CHOICE IS CORRECT ACCORDING TO THE TEXT (1 POINT).

- a) The author's DNA test results perfectly matched the promises made in advertisements for home-testing kits.
- b) Recent events, like GEDmatch being used to identify California's Golden State Killer, have raised concerns about the storage of sensitivity genetic information and privacy.

4) VOCABULARY (2 POINTS).

4.1 Choose one of the options below and find one word in the text for its definition (0.6 POINTS):

- a) The way a person or thing looks to other people.
- b) Persons related to you who lived a long time ago.

4.2 Find a synonym in the text for one of the two words below (0.6 POINTS):

- a) saliva
- b) approximately

4.3 For one of the following words from the text, give a synonym that fits the meaning of the text (0.8 POINTS):

- a) company (line 2)
- b) valuable (line 21)

5) WRITE ABOUT THE FOLLOWING TOPIC USING BETWEEN 120-150 WORDS (4 POINTS).

What features of your personality do you think you share with your relatives or family?



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