

科目	学部	学科	専攻・専修・コース
英文読解および英語学・言語学、 英語圏文学に関する問題	文芸学部	文芸学科	英語・英語圏文学専修
受験番号	氏名		採点

■注意事項 解答は、解答用紙の所定の欄に記入しなさい。

I 次の英文は、一続きの記事です。この英文に関する問いに **日本語で** 答えなさい。

右肩に*印のついている語句には、各段落の本文の後に注があります。

A space object recently discovered as a possible asteroid* may actually be an old rocket from a failed moon-landing attempt in the 1960s. Astronomers observed the object last month through a telescope based in Hawaii. The scientists documented the object as an asteroid that was on its way toward Earth. Searching for such objects is common among astronomers as part of international efforts aimed at protecting Earth against asteroid hits. The object was given the name 2020 SO. It was added to the International Astronomical Union's Minor Planet Center's list of asteroids and comets* found in our solar system. Currently, the list is just a little under 1 million.

(注) asteroid : 小惑星 comet : 彗星

- (1) 「2020 SO」と名づけられた物体は、当初天文学者たちは何だと想定していましたか。
- (2) それは、実際には何だと想定されるようになりましたか。
- (3) 「2020 SO」はどのようなリストに追加されましたか。

But the American space agency NASA's leading asteroid expert, Paul Chodas, says he believes the newly discovered object is not an asteroid at all. Instead, he believes the object is a piece of space junk. Chodas has suggested that the object is likely the old booster rocket that successfully pushed NASA's Surveyor 2 lander to the moon in 1966. "I'm pretty jazzed* about this," Chodas told The Associated Press. "It's been a hobby of mine to find one of these and draw such a link."

(注) jazzed : excited

- (4) Chodas氏は、最近宇宙で発見された物体について、どのような見解を示しましたか。
- (5) 1966年にどのような出来事がありましたか。
- (6) Chodas氏はどのようなhobbyを持っていますか。できるだけ具体的に教えてください。

Chodas has been studying asteroids for many years. He is currently director of the Center for Near-Earth Object Studies at NASA's Jet Propulsion Laboratory in Pasadena, California. Surveyor 2 was a robotic spacecraft that crashed into the moon after one of its engines failed to start during the trip. The rocket, named Centaur, kept flying past the moon as planned and became space junk.

- (7) Surveyor 2はなぜ月面に衝突したのですか。
- (8) Surveyor 2を搭載していたロケットはその後どうなりましたか。

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The object being observed is estimated to be about 8 meters long based on its brightness. That is about the size of the old Centaur rocket. Chodas said the first thing that caught his attention was the object's near-circular orbit around the sun, which is very similar to Earth's. Such behavior is unusual for an asteroid. Chodas said the movement represented "flag number one" that the object is not an asteroid.

- (9) Chodas氏は最初に何に着目しましたか。
 (10) (9)の着目から、Chodas氏はどのような結論を出しましたか。

The mysterious object is also in the same plane as Earth, not positioned above or below. That was the second red flag for Chodas, since asteroids usually travel at uneven angles. Lastly, Chodas said the object is coming toward Earth at about 2,400 kilometers an hour, which is considered very slow for an asteroid.

- (11) Chodas氏にとって2番目の赤い旗とは、具体的に何ですか。
 (12) Chodas氏にとって3番目の赤い旗とは、具体的に何ですか。

As the object gets closer to Earth, astronomers should be able to better follow its orbit and observe how much it is pushed around by radiation and heat effects of the sun. If it is an old empty rocket, it will move differently than a heavy space rock that is not as affected by outside forces. The movements are how astronomers usually tell the difference between asteroids and space junk such as used rocket parts.

- (13) 物体が地球に近づくにつれて、天文学者たちはどのようなことが可能となりますか。
 (14) なぜ radiation and heat effects of the sun を測定する必要があるのですか。

Chodas said there are likely numerous fake asteroids out there. But if the movements of the objects cannot be effectively observed or measured, it is difficult to confirm their exact identities. Sometimes, however, it can be the other way around. In 1991, Chodas and others identified a mystery object as an asteroid rather than space junk, even though its orbit around the sun was very similar to Earth's.

- (15) fake asteroidsとは、具体的には何ですか。
 (16) 1991年にどのような出来事がありましたか。

In 2002, Chodas discovered what he believes was the leftover Saturn V booster rocket from 1969's Apollo 12, the second moon landing by NASA astronauts. He admits the evidence was circumstantial, given the object's one-year orbit around Earth. The object was never documented as an asteroid, and left Earth's orbit in 2003.

- (17) 2002年にChodas氏は何を発見しましたか。
 (18) 2003年にどのような出来事がありましたか。

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But Chodas says the latest object's path is more direct and much more stable, which strengthens his theory. "I could be wrong on this. I don't want to appear overly confident," he said. "But it's the first time, in my view, that all the pieces fit together with an actual known launch."

- (19) I could be wrong on this. の this が具体的に指し示している意味内容は何ですか。
 (20) the first time とありますが、何が初めてなのですか。

[出典：'Asteroid or Space Junk? NASA Thinks Mystery Object Could Be Old Rocket' (一部変更)
<https://learningenglish.voanews.com/a/asteroid-or-space-junk-nasa-thinks-mystery-object-could-be-old-rocket/5623224.html>]

II 次の英文は、物語の一部です。この英文に関する問いに **日本語で** 答えなさい。

右肩に*のついている語句には、本文の後に注があります。

In the evenings, after he had finished his supper of watery cabbage soup, Charlie always went into the room of his four grandparents to listen to their stories, and then afterwards to say good night.

Every one of these old people was over ninety. They were as shriveled* as prunes, and as bony as skeletons, and throughout the day, until Charlie made his appearance, they lay huddled* in their one bed, two at either end, with nightcaps on to keep their heads warm, dozing the time away with nothing to do. But as soon as they heard the door opening, and heard Charlie's voice saying, "Good evening, Grandpa Joe and Grandma Josephine, and Grandpa George and Grandma Georgina," then all four of them would suddenly sit up, and their old wrinkled faces would light up with smiles of pleasure — and the talking would begin. For they loved this little boy. He was the only bright thing in their lives, and his evening visits were something that they looked forward to all day long. Often, Charlie's mother and father would come in as well, and stand by the door, listening to the stories that the old people told; and thus, for perhaps half an hour every night, this room would become a happy place, and the whole family would forget that it was hungry and poor.

One evening, when Charlie went in to see his grandparents, he said to them, "Is it *really* true that Wonka's Chocolate Factory is the biggest in the world?"

"*True?*" cried all four of them at once. "Of course it's true! Good heavens, didn't you know *that*? It's about *fifty* times as big as any other!"

"And is Mr. Willy Wonka *really* the cleverest chocolate maker in the world?"

"My *dear* boy," said Grandpa Joe, raising himself up a little higher on his pillow, "Mr. Willy Wonka is the most *amazing*, the most *fantastic*, the most *extraordinary* chocolate maker the world has ever seen! I thought *everybody* knew that!"

"I knew he was famous, Grandpa Joe, and I knew he was very clever. . . ."

"*Clever!*" cried the old man. "He's more than that! He's a *magician* with chocolate! He can make

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anything — anything he wants! Isn't that a fact, my dears?"

The other three old people nodded their heads slowly up and down, and said, "Absolutely true. Just as true as can be."

And Grandpa Joe said, "You mean to say I've never *told* you about Mr. Willy Wonka and his factory?"

"Never," answered little Charlie.

"Good heavens above! I don't know what's the matter with me!"

"Will you tell me now, Grandpa Joe, please?"

"I certainly will. Sit down beside me on the bed, my dear, and listen carefully." Grandpa Joe was the oldest of the four grandparents. He was ninety-six and a half, and that is just about as old as anybody can be. Like all extremely old people, he was delicate and weak, and throughout the day he spoke very little. But in the evenings, when Charlie, his beloved grandson, was in the room, he seemed in some marvelous way to grow quite young again. All his tiredness fell away from him, and he became as eager and excited as a young boy.

[出典: Roald Dahl, *Charlie and the Chocolate Factory*, Puffin Modern Classics, 2004, pp.8-10.]

(注) shriveled: しなびた huddle: 縮こまる

<問い>

- チャーリーの祖父母はどのような人たちで、普段はどのような状態か、上の文章から分かることを出来るだけ詳しく述べなさい。
- チャーリーの祖父母たちは、チャーリーが部屋にやってくるとどうなるか、上の文章から分かることを出来るだけ詳しく述べなさい。
- チャーリーの祖父母たちがチャーリーに対して抱いている感情が最も端的に書かれている 1文を、文章中から抜き書きしなさい。
- 上のやり取りから、Mr. Willy Wonka と彼のチョコレート工場についてどのようなことが分かるでしょうか。出来るだけ詳しく述べなさい。
- Grandpa Joe について、上記の文章から分かることを出来るだけ詳しく述べなさい。
- 文中に頻出するイタリック(斜字体)は何のためにあるのでしょうか。あなたの考えを述べなさい。

* * *

Ⅲ あなたが今までに読んだ英語圏の文学作品から、心に残ったものを 3作品 挙げ、それぞれについて、①作者名と作品名、②あらすじ、③どのような点が心に残っているか、を 日本語で 記述しなさい。

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解答が書ききれない場合は、裏面に続けて書いてもかまいません。その場合は、問題番号を明記してください。

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