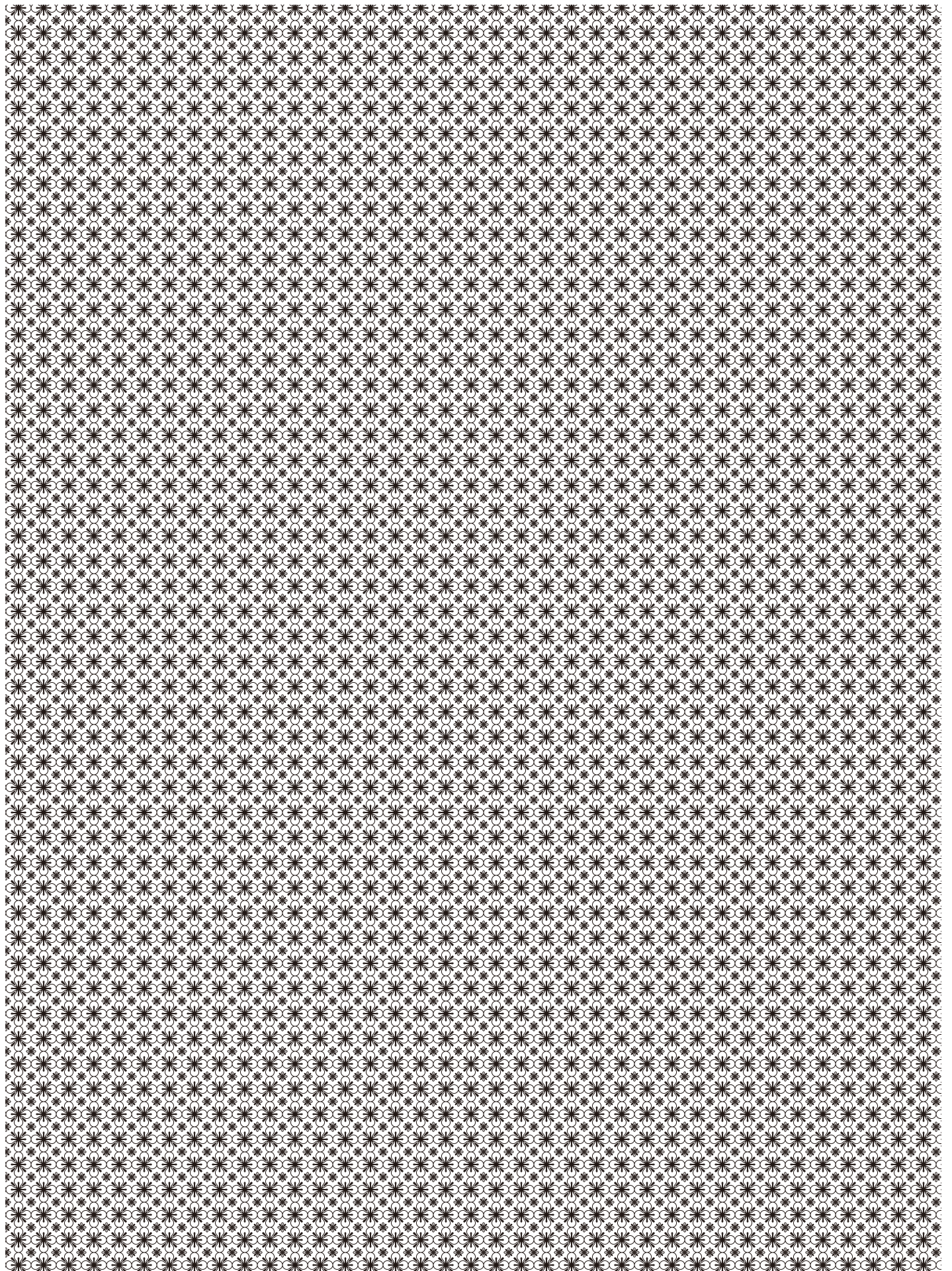


# 英 語



**1** 次の文章は H3 Launch: Utilize This Success to Break Stagnation in Space Development というタイトルの記事です。本文を読んで問 1 ～ 6 の設問に答えなさい。

① The H3 Launch Vehicle developed by the Japan Aerospace Exploration Agency (JAXA) and Mitsubishi Heavy Industries, Ltd. was finally launched successfully. The launch of the H3 rocket should serve as an opportunity to advance Japan's space development, which has been stagnant\*.

② The development of the engines for the new H3 faced difficulties. After several postponements\*, the first launch attempt in March 2023 ended in failure because the second stage engine failed to ignite\*. The launch of the second rocket this time was vindication\*, and all the people involved must be relieved. Japan's mainstay\* launch vehicles are entering a period of generational\* change. The H-2A will soon be retired and replaced by the H3, and the smaller Epsilon Launch Vehicle will be succeeded by the improved Epsilon S.

③ However, the H3 has stumbled\* from the start. Also, the Epsilon No. 6 failed to launch in 2022, and the Epsilon S has likewise had a string of troubles recently, including an engine explosion during a ground combustion\* test. With the success of the H3, the critical situation in which Japan was thought to have its back to the wall can be said to be over.

④ The previous H3 failure stemmed\* from a problem with the electrical system, and JAXA narrowed down the root cause to three possibilities, including short circuits and overcurrents\*. Ultimately\*, it was unable to pinpoint just one cause\* and took countermeasures\* for all three factors. When a rocket launch failed in the past, the government-led investigation into the causes would take so long that the next launch would be suspended for years. It is commendable\* that JAXA focused on resuming\* launches as soon as possible and managed to send up a launch vehicle less than a year after the failure.

⑤ However, the speed of rocket development is accelerating\* as startups\* in various countries are entering the space field. The success of the H3 launch was just another step for Japan, which had been lagging behind, to only get to the starting line of international competition. The H-2A had a reputation for good performance with few launch failures, but its high price made it less competitive from a business standpoint\*. The cost of a launch was reduced by about half to ¥5 billion for the H3, which should be used to drive Japan's space industry, including future satellite launches.

⑥ SpaceX, a U.S. company that boasts\* a leading position in the satellite launch market, has launched dozens of rockets a year in a stable manner at low prices. Japan, too, has formulated\* a strategy\* to launch 30 launch vehicles a year by the first half of the 2030s. Of these, 20 are expected to be private-sector launch vehicles. It is important to strengthen the development of the launch vehicle business for startups by utilizing such measures as the space strategy fund established by the government for JAXA at the scale of ¥1 trillion\*.

(出典: “H3 Launch: Utilize This Success to Break Stagnation in Space Development,” The Japan News, February 18, 2024. (一部変更あり))

\* stagnant: 停滞して      postponements: 延期      ignite: 着火する  
vindication: 弁明      mainstay: 基幹      generational: 世代の  
stumbled: つまずいた      combustion: 燃焼      stemmed: 始まった  
overcurrents: 過流      Ultimately: 最終的に      cause: 原因  
countermeasures: 対策      commendable: 評価できる      resuming: 再開  
accelerating: 加速している      startups: 新興企業      standpoint: 立場  
boasts: 豪語する      formulated: 策定する      strategy: 戦略      trillion: 兆

〔問 1〕 第2段落を読んで答えなさい。新型H3ロケットのエンジン開発について述べられていますが、開発が難航した理由は何ですか。

1. 予算不足
2. 技術的な問題
3. 人員不足
4. 資材不足
5. 政治的な圧力

〔問 2〕 第3段落を読んで答えなさい。H3ロケットとイプシロンSロケットは、それぞれどのような問題が発生しましたか。

1. H3は地上燃焼試験でエンジン爆発を起こし、イプシロンSは打ち上げに失敗した
2. H3とイプシロンSは、ともに打ち上げに失敗した
3. H3はエンジン爆発を起こし、イプシロンSは地上燃焼試験で失敗した
4. H3は打ち上げに失敗し、イプシロンSはエンジン爆発を起こした
5. H3とイプシロンSは、ともに地上燃焼試験で失敗した

- 〔問 3〕 第4段落を読んで答えなさい。JAXAは、前回のH3ロケットの不具合に対して、どのような行動をとりましたか。
1. 3つの原因の可能性に対する対策を講じた
  2. 原因究明を放棄した
  3. 新たなロケットの開発を開始した
  4. 政府に対して非難の声明を出した
  5. ロケットの打ち上げを中止した
- 〔問 4〕 第4段落を読んで答えなさい。ロケット打ち上げの失敗時に、政府主導で原因究明をしていた時には、どのようなことが起きていましたか。
1. 原因究明が速やかに行われ、翌月には打ち上げが再開された
  2. 原因究明に数日しかかからず、即座に次の打ち上げが行われた
  3. 政府は原因究明を放棄し、次の打ち上げを許可した
  4. 原因究明に時間がかかり、打ち上げ再開までに数年かかった
  5. 政府は原因究明を行わず、JAXAに責任を押し付けた
- 〔問 5〕 第5段落を読んで答えなさい。H3の打ち上げ成功により、日本の国際競争における位置はどう変化しましたか。
1. 日本が他国をリードする地位に立った
  2. 日本が他国をリードする地位にあることに変わりはない
  3. 日本の宇宙技術が他国に追いつかれた
  4. 日本の技術を他国が欲するようになった
  5. 日本が国際競争のスタートラインに立った
- 〔問 6〕 第6段落を読んで答えなさい。日本が2030年代前半までに年間30機のロケットを打ち上げるという戦略の一環として、どのようなことが行われる予定ですか。
1. 日本の全てのロケットを政府が運用することにする
  2. 新型ロケットを開発する
  3. 民間ロケットの打ち上げを増やす
  4. JAXAの予算を増加する
  5. スペースX社と提携する

**2** 問7～10には英単語とその定義が書かれています。1～5のうち英語の定義が間違っているものを一つずつ選びなさい。

〔問 7〕

- 1. worst : of a high standard or quality
- 2. suitable : having the right qualities for a particular person
- 3. caring : thinking about what other people need and trying to help them
- 4. curious : wanting to know about something
- 5. effective : successful, and working in the way that was intended

〔問 8〕

- 1. interpret : to translate spoken words from one language into another
- 2. indicate : to show that a particular situation exists
- 3. require : to need something
- 4. respond : to do something as a reaction to something that has been said or done
- 5. dig : to think that something may not be true

〔問 9〕

- 1. complex : including all parts, details, facts etc. and with nothing missing
- 2. prior : existing or arranged before something else
- 3. obvious : easy to notice or understand
- 4. patient : able to wait calmly for a long time
- 5. experienced : possessing skills or knowledge

〔問 10〕

- 1. labor : work, especially physical work
- 2. period : a particular length of time
- 3. principle : most important
- 4. research : serious study of a subject
- 5. source : a thing, place, activity etc. that you get something from

**3** 〔問 11〕「英文の（ ）内に入るもっとも適切な語または語句を選ぶ問題」で、次の1～5のうち答えの間違ったものはどれですか。日本語訳を参考にしながら、一つ選びなさい。

1. The teacher ( careful / **carefully** / care ) dealt with the problem.  
先生は注意深く問題に対処した。
2. My parents ( left / leaving / **are leaving** ) for Boston tomorrow.  
私の両親は明日ボストンに発つ。
3. He must have read the poem in ( no / **some** / any ) book or other.  
彼は何かの本でこの詩を読んだのだろう。
4. Crops are growing well because of ( frequently / **frequent** / frequency ) rain.  
雨がよく降るので、作物はよく育っている。
5. The cafeteria stays open ( until / **by** / for ) late at night.  
そのカフェテリアは夜遅くまで営業している。

**4** 〔問 12〕「英文の（ ）内に入るもっとも適切な語を選ぶ問題」で、次の1～5のうち答えの間違ったものはどれですか。

1. Because of the recession, many small companies had to lay ( **off** / by / down ) many workers.
2. Call her up and tell her she has left her phone ( about / behind / **up** ).
3. He is supposed to pick me ( at / **up** / on ) at five.
4. They had to put ( **off** / on / away ) their departure on account of heavy snow.
5. Drivers must look ( at / **out** / into ) for children crossing the road.

**5** 〔問 13〕 次の 1～5 の英文を読み、下線部の英文の内容が文脈に合っていないものを一つ選びなさい。

1. A : Hey, Lily. What are you planning to wear today?  
B : Hi, Jack. I was thinking of wearing my blue jeans and my favorite T-shirt.  
A : That sounds cool. I was thinking of wearing my new sneakers and a hoodie.  
B : Nice choice. Do you think we should bring jackets too? The weather might get chilly later.  
A : Good idea. I'll bring mine, just in case. Oh, and don't forget our hats, it's sunny outside.  
B : Right, I'll grab mine too. Let's meet at the park in half an hour, okay?  
A : Okay. See you later, Lily.
  
2. Front Desk Clerk : Hello, welcome to our hotel. How can I assist you today?  
Guest 1 : Hi. We have a reservation under the name Smith for two nights.  
Front Desk Clerk : Great, let me check that for you. Ah, here it is. Would you like a room with a view or without?  
Guest 2 : With a view, please. Preferably overlooking the city skyline.  
Front Desk Clerk : Of course. I have a room available on the 10th floor. Here are your keys. Enjoy your stay.  
Guest 1 : Thank you so much.
  
3. Customer : Excuse me, do you have this T-shirt in a smaller size?  
Shop Assistant : Sure, let me check for you. Yes, we have it in a smaller size right here.  
Customer : Great, thank you. Can I also try on this one in blue?  
Shop Assistant : Of course. The fitting room is right over there. Let me know if you need any help.  
Customer : Thank you. Oh, and do you have any T-shirts with cool designs on them?  
Shop Assistant : Absolutely. We have a variety of designs in different colors. I'll show you some options.



4. A : Hey, what's wrong? You seem upset.  
B : I got scolded by the teacher for forgetting my homework again.  
A : It's okay, everyone makes mistakes sometimes. You'll do better next time.  
B : But I feel so bad. I disappointed my parents, too.  
A : Don't worry, they'll understand. Let's study together and make sure it doesn't happen again.  
B : Thanks, I appreciate your support.  
A : No problem. We're friends, and we'll help each other out. You got this.
5. A : Hi. I brought some decorations for the Christmas party.  
B : Awesome. I brought snacks and drinks. Let's set everything up.  
A : Where should we put the Christmas tree?  
B : I'll have my brother carry that. That way, it'll be visible from outside.  
A : Good idea. Let's hang these lights around it too.  
B : And we can put the snacks on this table over here.  
A : Perfect. This party is going to be so much fun.  
B : Yeah, I can't wait for everyone to arrive.

**6** 次の英文は、Taylor Swift makes history with fourth best album win というタイトルの報道です。文章を読んで以下の問いに答えなさい。

① The singer-songwriter Taylor Swift is the first artist to win best album at the Grammys\* four times. Ms Swift made history with her album “Midnights”. She has overtaken\* legends like Stevie Wonder. In her speech, she said: “I would love to tell you that this is the best moment of my life, but I feel this happy when I finish a song...or when I’m rehearsing with my dancers.” She added: “All I wanna\* do is...this. I love it so much. It makes me so happy.”

② Taylor Swift began writing songs professionally at the age of 14. In 2005, she became a country singer. Since then, she has experimented with many music styles. She has sold over 200 million records. A movie of her 2023 tour “Eras” is the best-selling concert film ever. She is also a huge influencer. Forbes magazine said she is one of the world’s 100 most powerful women. Wikipedia called her a champion of artists’ rights and women’s issues.

(出典: “Taylor Swift makes history with fourth best album win,” February 8, 2024, Breaking News English. (一部変更あり))

\* the Grammys: グラミー賞      has overtaken: 追い抜いた      wanna = want to

〔問 14〕 第1段落を読んで答えなさい。テイラー・スウィフトがアーティストとして初めて成し遂げた偉業は、どんなことですか。

1. スティービー・ワンダーと並んで著名なアメリカ人となった。
2. グラミー賞で最優秀アルバム賞を4回受賞した。
3. 2億枚以上のレコードを売り上げた。
4. 史上最も売れたコンサート映画に携わった。
5. 世界で最もパワフルな女性100人のうちの1人に選ばれた。

〔問 15〕 第2段落を読んで答えなさい。テイラー・スウィフトがカントリー音楽のアーティストとなってから、どのくらい経っていますか。もっとも近いものを選びなさい。

1. 約5年
2. 約10年
3. 約15年
4. 約20年
5. 約25年

