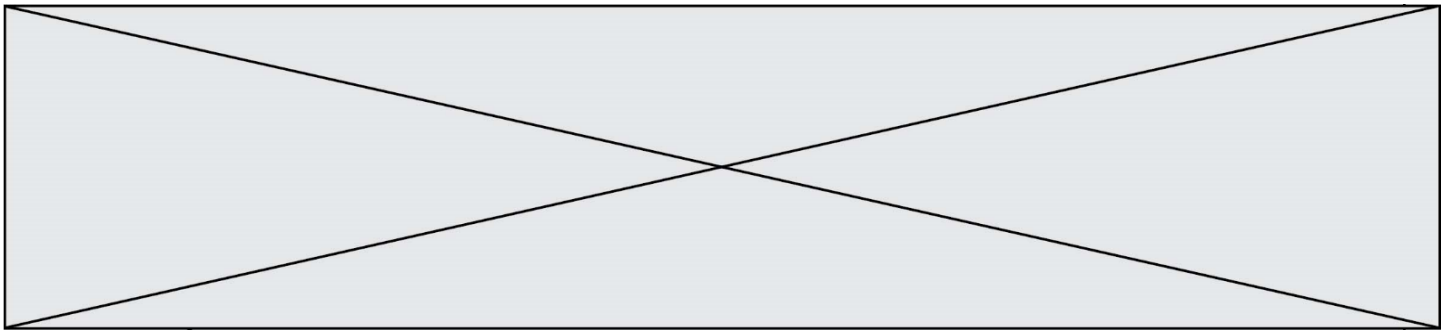




Compréhension de l'oral, de l'écrit et expression écrite

L'ensemble du sujet porte sur l'**axe 6** du programme : **Innovations scientifiques et responsabilité.**

Il s'organise en trois parties :

- 1. Compréhension de l'oral ;**
- 2. Compréhension de l'écrit ;**
- 3. Expression écrite.**

Afin de respecter l'anonymat de votre copie, vous ne devez pas signer votre composition, ni citer votre nom, celui d'un camarade ou celui de votre établissement.

Vous disposez tout d'abord de **cinq minutes** pour prendre connaissance de **la composition** de l'ensemble du dossier et des **consignes** qui vous sont données.

Vous allez entendre trois fois le document de la partie 1 (compréhension de l'oral).

Les écoutes seront espacées d'une minute.

Vous pouvez prendre des notes pendant les écoutes.

À l'issue de la troisième écoute, vous organiserez votre temps (**1h30**) comme vous le souhaitez pour rendre compte **en français** du document oral et pour traiter **en anglais** la compréhension de l'écrit (partie 2) et le sujet d'expression écrite (partie 3).

Modèle CCYC : ©DNE

Nom de famille (naissance) :

(Suivi s'il y a lieu, du nom d'usage)

Prénom(s) :

N° candidat : N° d'inscription :

(Les numéros figurent sur la convocation.)

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1.1

Les documents :

- Document vidéo

Titre : *SpaceX launches the first all-civilian space crew on a three-day mission*

Source : CBS News, September 17, 2021

- Texte 1

Terraform¹ Mars: Elon Musk says a Mars city of 'glass domes' comes first

Elon Musk wants to build a city on Mars — a project that would be a precursor to making the planet more Earth-like.

On Wednesday, the SpaceX CEO explained via Twitter that this city would involve "life in glass domes at first." The planet would "eventually" be "terraformed to support life, like Earth." While the planet-changing process would be "too slow to be relevant in our lifetime [...] we can establish a human base there in our lifetime." If the worst comes to the worst, Musk explained, "at least a future spacefaring civilization — discovering our ruins — will be impressed humans got that far."

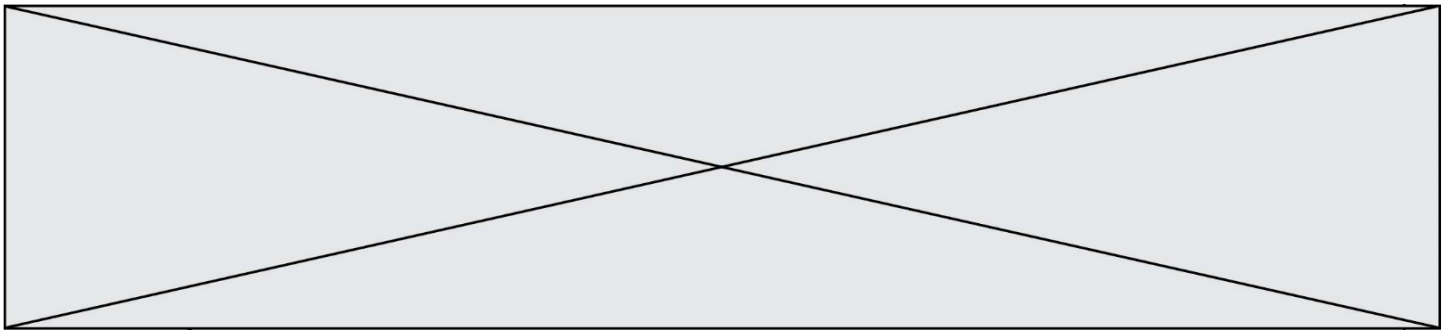
The comments outline what is perhaps SpaceX's most ambitious plan: send the first humans to Mars, build out a city, and establish a permanent settlement. No biggie.

While Musk does not believe humans will terraform the planet in his lifetime, he said in 2019 that SpaceX's plan would enable humanity to "become a multi-planet civilization while that window is open."

The company is currently developing the Starship to fulfill the first step in this plan. The fully-reusable ship, measuring around 400 feet tall when paired with the Super Heavy booster, is designed to send over 150 tons or 100 people to space at once. SpaceX launched a full-size prototype of the ship in August to an altitude of 500 feet, and plans to launch even higher over time. [...]

Musk claimed in October that the first crewed Starship missions to Mars could launch in 2026.

¹ transform (a planet) so as to resemble the earth, especially so that it can support human life.



25 From there, the firm plans to expand the base and make it self-sustaining. SpaceX engineer Paul Wooster explained in September 2018 the initial focus would be on establishing life support systems, enabling surface power, developing habitats, and building greenhouses. As the city expands, it could support scientific research projects in a similar fashion to the International Space Station. Musk has previously suggested the planet could even host pizzerias.

Adapted from *Inverse Daily*, September 17, 2021

- **Texte 2**

Prince William Wants Space Tourists to Fix Earth Instead of Finding the 'Next Place'

5 Britain's Prince William has launched an attack on space tourism, urging more attention on problems closer to home ahead of the COP26 climate summit. The comments by Queen Elizabeth II's grandson were airing in a BBC interview later Thursday, a day after "Star Trek" star William Shatner became a real space traveller on Blue Origin's second crewed mission. The mission replayed the company's maiden human flight in July, which included its founder Jeff Bezos of Amazon and was seen as a breakthrough for the emerging space tourism sector. But Prince William said: "We need some of the world's greatest brains and minds fixed on trying to repair this planet, not trying to find the next place to go and live." [...]

10 "It would be an absolute disaster if (son) George is sat here talking to you... in like 30 years' time, still saying the same thing, because by then we will be too late." William's father Prince Charles, a lifelong environmentalist, has also spoken out on the need for action from the leaders rather than words in the buildup to the UN climate summit.

15 "He's had a really rough ride on that, and I think you know he's been proven to being well ahead of the curve, well beyond his time in warning about some of these dangers," William said.

"But it shouldn't be that there's a third generation now coming along having to ramp it up even more."

20 Queen Elizabeth, Charles and William are all due to attend events at the two-week summit.

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The gathering will try to persuade major developing economies to do more to cut their carbon emissions, and get the rich world to cough up billions more to help poorer countries adapt to climate change.

25 "I want the things that I've enjoyed — the outdoor life, nature, the environment — I want that to be there for my children, and not just my children but everyone else's children," William said.

"If we're not careful we're robbing from our children's future through what we do now. And I think that's not fair."

Adapted from *News 18*, October 14, 2021

1. Compréhension de l'oral (10 points)

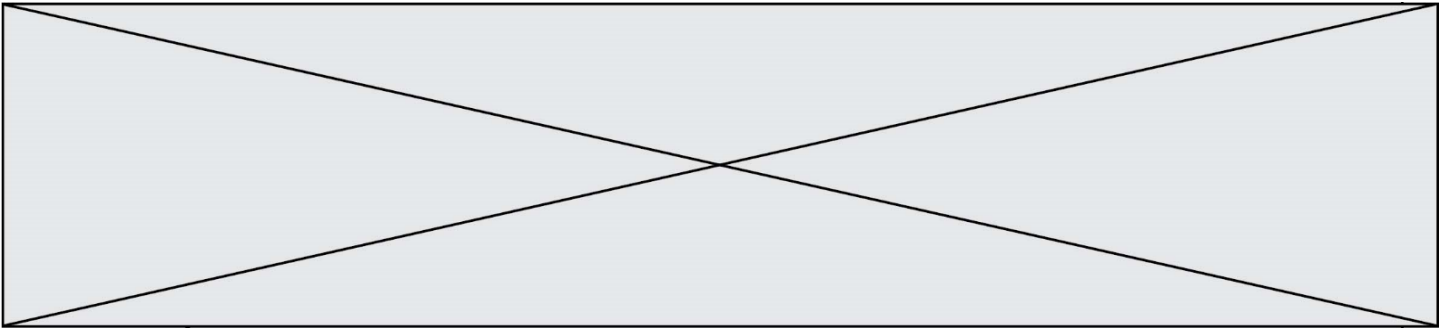
En rendant compte, **en français**, du document, vous montrerez que vous avez identifié et compris :

- la nature et le thème principal du document ;
- la situation, les événements, les informations ;
- les personnes, leur fonction, leurs points de vue ;
- les éventuels éléments implicites ;
- le but, la fonction du document (relater, informer, convaincre, critiquer, dénoncer, divertir, etc.).

2. Compréhension de l'écrit (10 points)

Compréhension des deux textes

In your own words, and **in English**, compare and contrast the vision of space travel in the two texts.



3. Expression écrite (10 points)

Vous traiterez, **en anglais** et en **120 mots** au moins, l'**un** des deux sujets suivants, au choix.

Sujet A

You dream of becoming an astronaut. You decide to volunteer to be part of the future crew that will be sent to Mars in 2026. Write an email to the SpaceX program :

- to tell them why you think that space travel should be developed;
- to explain your motivations to be a part of it.

Sujet B

Discuss Prince William's statement: "If we're not careful we're robbing from our children's future through what we do now."