

English A: language and literature – Standard level – Paper 1
Anglais A : langue et littérature – Niveau moyen – Épreuve 1
Inglés A: Lengua y Literatura – Nivel Medio – Prueba 1

Thursday 12 May 2022 (afternoon)
Jeudi 12 mai 2022 (après-midi)
Jueves 12 de mayo de 2022 (tarde)

1 h 15 m

Instructions to candidates

- Do not open this examination paper until instructed to do so.
- Write a guided analysis of text 1 or text 2.
- Use the guiding question or propose an alternative technical or formal aspect of the text to focus your analysis.
- The maximum mark for this examination paper is **[20 marks]**.

Instructions destinées aux candidats

- N'ouvrez pas cette épreuve avant d'y être autorisé(e).
- Rédigez une analyse dirigée du texte 1 ou du texte 2.
- Utilisez la question d'orientation ou proposez une autre manière d'aborder le texte en choisissant un aspect technique ou formel sur lequel concentrer votre analyse.
- Le nombre maximum de points pour cette épreuve d'examen est de **[20 points]**.

Instrucciones para los alumnos

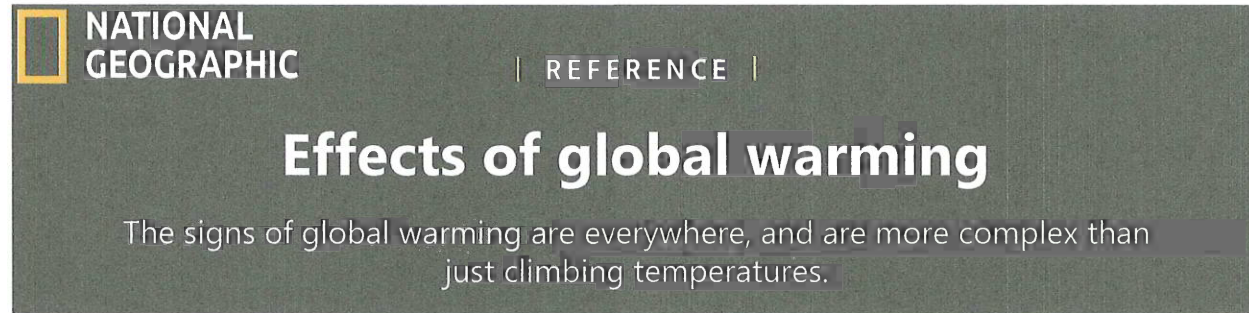
- No abra esta prueba hasta que se lo autoricen.
- Escriba un análisis guiado del texto 1 o del texto 2.
- Utilice la pregunta de orientación o proponga otro aspecto técnico o formal del texto en el que centrar su análisis.
- La puntuación máxima para esta prueba de examen es **[20 puntos]**.



Write a guided analysis of **one** of the following texts.

1.

This extract is taken from The National Geographic Online.



CAUSES AND EFFECTS OF CLIMATE CHANGE

What causes climate change? And how does it relate to global warming? Learn about the impact and consequences of climate change and global warming for the environment and our lives.



2 MINUTE READ

5 The planet is warming, from North Pole to South Pole. Since 1906, the global average surface temperature has increased by more than 1.6 degrees Fahrenheit (0.9 degrees Celsius) – even more in sensitive polar regions. And the impacts of rising temperatures aren’t waiting for some far-flung future – the effects of global warming are appearing right now. The heat is melting glaciers and sea ice, shifting precipitation patterns, and setting animals on the move.

10 Many people think of global warming and climate change as synonyms, but scientists prefer to use “climate change” when describing the complex shifts now affecting our planet’s weather and climate systems. Climate change encompasses not only rising average temperatures but also extreme weather events, shifting wildlife populations and habitats, rising seas, and a range of other impacts. All of these changes are emerging as humans continue to add heat-trapping greenhouse gases to the atmosphere.

Scientists already have documented these impacts of climate change:

- 15 • Ice is melting worldwide, especially at the Earth’s poles. This includes mountain glaciers, ice sheets covering West Antarctica and Greenland, and Arctic sea ice. In Montana’s Glacier National Park the number of glaciers has declined to fewer than 30 from more than 150 in 1910.
- Much of this melting ice contributes to sea-level rise. Global sea levels are rising 0.13 inches (3.2 millimeters) a year, and the rise is occurring at a faster rate in recent years.
- 20 • Rising temperatures are affecting wildlife and their habitats. Vanishing ice has challenged species such as the Adélie penguin in Antarctica, where some populations on the western peninsula have collapsed by 90 percent or more.



- As temperatures change, many species are on the move. Some butterflies, foxes, and alpine plants have migrated farther north or to higher, cooler areas.
- 25 • Precipitation (rain and snowfall) has increased across the globe, on average. Yet some regions are experiencing more severe drought, increasing the risk of wildfires, lost crops, and drinking water shortages.
- Some species—including mosquitoes, ticks, jellyfish, and crop pests—are thriving. Booming populations of bark beetles that feed on spruce and pine trees, for example, have devastated millions of forested acres in the U.S.
- 30 Other effects could take place later this century, if warming continues. These include:
 - Sea levels are expected to rise between 10 and 32 inches (26 and 82 centimeters) or higher by the end of the century.
 - Hurricanes and other storms are likely to become stronger. Floods and droughts will become more common. Large parts of the U.S., for example, face a higher risk of decades-long “megadroughts” by 2100.
 - 35 • Less freshwater will be available, since glaciers store about three-quarters of the world’s freshwater.
 - Some diseases will spread, such as mosquito-borne malaria (and the 2016 resurgence of the Zika virus).
 - 40 • Ecosystems will continue to change: Some species will move farther north or become more successful; others, such as polar bears, won’t be able to adapt and could become extinct.
 - 45



An iceberg melts in the waters off Antarctica. Climate change has accelerated the rate of ice loss across the continent

- Explore how the writer develops their argument about the seriousness of climate change.

Disclaimer:

Texts used in IB language assessments are taken from authentic, third-party sources. The views expressed within them belong to their individual authors and do not necessarily reflect the views of the IB.

References:

- Text 1** The National Geographic Online, n.d. *Causes and effects of climate change*. [online] Available at: <<https://www.nationalgeographic.com/environment/global-warming/global-warming-effects/>> [Accessed 22 October 2020].
- [Image of iceberg] n.d. [image online] Available at: <<https://pixy.org/182967/>> [Accessed 25 March 2021].
- Text 2** Lowe, R., 2015. 12: Land of milk & donkeys (Bulgaria). *The bicycle diaries*, [blog] 31 March. Available at: <<http://thebicyclediaries.co.uk/landofmilkdonkeys/>> [Accessed 7 October 2020].
- [Image of bicycle] n.d. [image online] Available at: <https://commons.wikimedia.org/wiki/File:Loaded_touring_bicycle.JPG> [Accessed 25 March 2021].
- [Image of cathedral] n.d. [image online] Available at: <<https://commons.wikimedia.org/wiki/File:AlexanderNevskyCathedral-Sofia-6.jpg>> [Accessed 25 March 2021].

