

MARZO 2017

INGLÉS

1. Read the text and the instructions to the questions very carefully.
2. Answer all questions in English

.....
The world's oceans have warmed 50 percent faster over the last 40 years than previously thought due to climate change, Australian and US climate researchers reported last month. Higher ocean temperatures expand the volume of water, contributing to a rise in sea levels that is submerging small island nations and **threatening to cause devastation** in low-lying, densely-populated delta regions around the globe.

The study, published in the British journal Nature, adds to a growing scientific chorus of warnings about the pace and consequences rising oceans. It also serves as a corrective to a massive report issued last year by the Nobel-winning UN Intergovernmental Panel on Climate Change (IPCC), according to the authors.

Rising sea levels are driven by two things: the thermal expansion of sea water, and additional water from melting sources of ice. Both processes are caused by global warming. The ice sheet that sits up Greenland, for example, contains enough water to raise world ocean levels by seven meters (23 feet), which would bury sea-level cities from Dhaka to Shanghai.

Trying to appreciate how much each of these factors contributes to rising sea levels is critically important to understanding climate change, and forecasting future temperature rises, scientists say. **But up to now**, there has been a confusing gap between the projections of computer-based climate models, and the observations of scientists gathering data from the oceans.

The new study is the first to reconcile the models with observed data. Using new techniques to assess ocean temperatures to a depth of 700 meters (2,300 feet) from 1961 to 2003.

.....
QUESTION 1 (1 MARK)

Write a title in English which best summarizes the story

QUESTION 2 (0.5 MARK EACH)

Explain in English the meaning of the following phrases from the text (maximum 8 words for each phrase):

- a) "threatening to cause devastation"
- b) "But up to now"

QUESTIONS 3 (1 MARK EACH)

Answer in English the following questions IN YOUR OWN WORDS as far as possible:

- a) What happens when the ocean's temperature rises?
- b) What was the main finding of the study?

QUESTION 4 (1 MARK EACH)

Complete the following sentences. Your answers must be related to the ideas contained in the text

- a) The ocean temperatures expand because....
- b) The main factors which contribute to
- c) If governments had implemented a new strategy to reduce the emission of greenhouse gases....

QUESTION 5 (3 MARKS)

Write your opinion about climate change (minimum 70 words, maximum 100). Use your own words in English.