

Class: IX-X

Climate change

Materials Designed by BRAC University Centre for Languages (BU-CfL)

Dear learners, we all know that the world around us is changing in many ways and the most frightening changes are occurring due to changes in climate. We will read about climate change from today's page.

A.

Sufferings due to Climate Change



Match the words in Column I with their meanings in Column II.

Column I	Column II
Severe	To cause problem
Glacier	Very serious
Clog	The saltiness of water
Disrupt	To block something
Mobility	A large mass of moving ice
Adverse	The ability to move easily from one place to another
Salinity	Harmful

Hello, I **am** Farhana from Satkhira, a coastal area of Bangladesh. Our area, along with other Upazillas of Jessore, Khulna, Narail, Bagerhat district, **is facing** severe salinity problems. Due to global warming and melting of Himalayan glaciers, the sea level **rises** and **floods** our cultivable land with saline water because of which we **cannot grow** multiple crops in a year. We also **have** water-clogging problems. When the floods **come**, the flood water **stays** for months disrupting mobility and cultivation. These adverse effects of climate change **have made** many people homeless, landless, poor and helpless. We **are trying** to cope with the situation by **growing** vegetables on floating gardens, **storing** rain water for drinking, and **cultivating** shrimps and crabs in our water-clogged lands.

All the main verbs in the text above are highlighted. Notice that all these verbs indicate the same tense. Can you identify which tense that is? Put a tick (✓) mark on the right tense below.

- a) Present                      b) Past                      c) Future

Write a short paragraph on the environmental problems in your locality using the appropriate tense.

The name of my locality is .....  
..... These are the ways in which we are trying to cope up with the environmental problems.

## B. Causes & Effects of Climate Change

The following pictures show some of the adverse effects of climate change. Add one cause and one effect for each problem in the given boxes.



Drought

Causes:

1. less rainfall
- 2.

Effects:

1. Farmers cannot cultivate their lands.
- 2.



Deforestation

Causes:

1. land for cultivation
- 2.

Effects:

1. loss of biodiversity
- 2.



Melting of glaciers

Causes:

1. global warming
- 2.

Effects:

1. rise in sea water level
- 2.

## C. Planning a Campaign



Student scouts from all around Bangladesh are going to start a campaign on **Climate Change Challenges & Our Responsibilities**. In the following dialogue they are planning their campaign. They are using **going to** and **will** while speaking.

We usually use "be + going to" before something that has already been planned or decided and "will" before something that is supposed to happen in future.  
For example,

- i) We are going to start a campaign (we have already taken the decision to do that).  
ii) We will start a campaign (we want to do that some time in future).

Complete the following dialogue using "be + going to" or "will" correctly.

- Reza** : I think starting the discussion on climate change with a documentary will be a good idea. It will not only show them the real pictures but will also make them think about the issue before talking about it.  
**Kabir** : I am going to start my presentation with some basic questions on climate change and gradually will move on to how they can successfully tackle this problem.  
**Sharmin** : .....  
**Parul** : .....  
**Hasan** : .....  
**Zaman Sir**: All of you have very good ideas! Whichever way you start, make sure our objectives are met, key topics are discussed and probable solutions are highlighted.

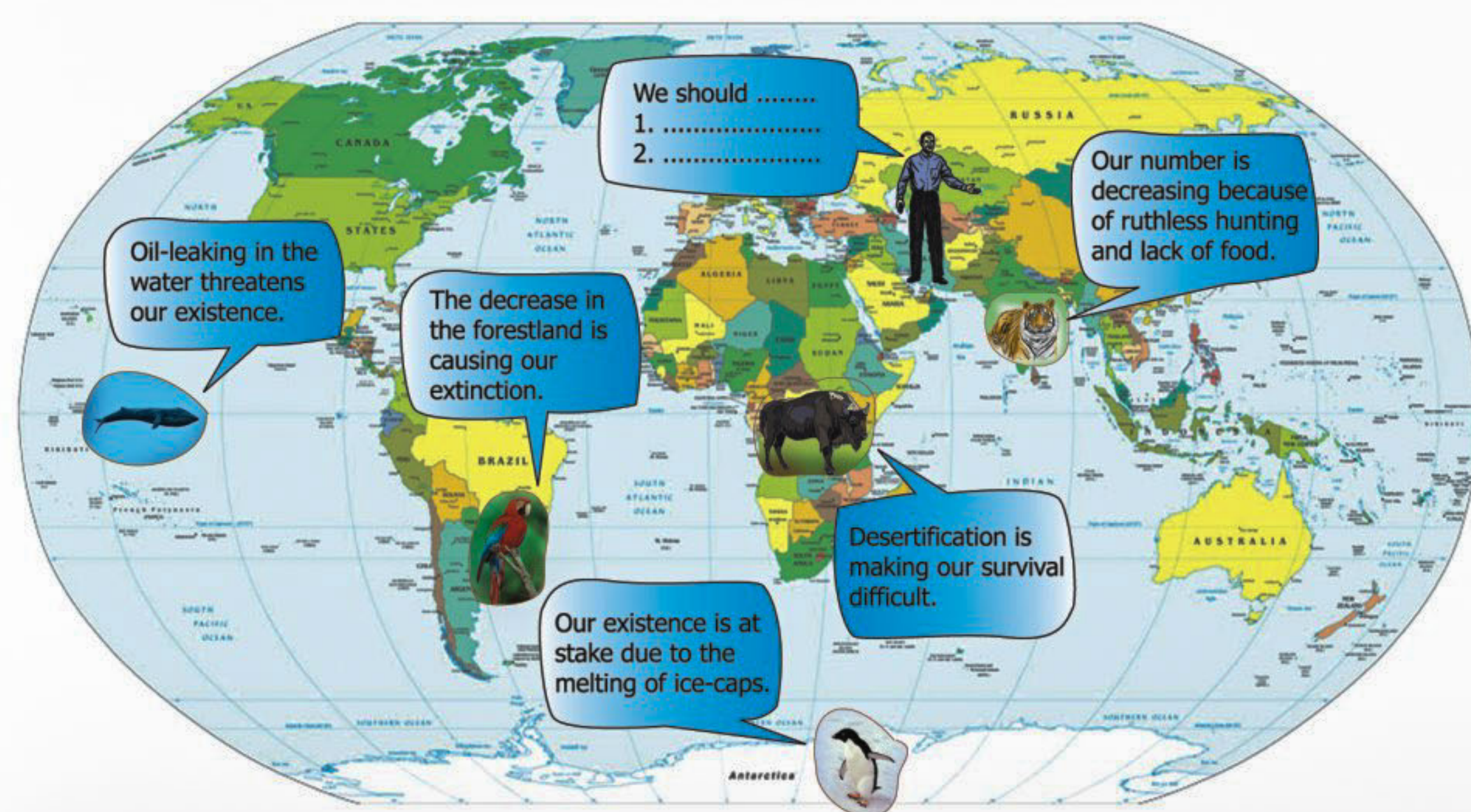
## D. Climate Change and The Sundarbans.

Make four meaningful sentences from the table.

The largest mangrove forest of Bangladesh, Sundarbans, home to thousands of species,	will go under water	greatly affected by Aila, Sidr and Tsunami in the last decade.
More than half of the Sundarbans	is changing	as more saline water is entering the canals in Sundarbans affecting the present state of biodiversity.
The increase in seawater	had been	the amount of salinity in water, which will damage a lot of fresh water plants and animals in the forest.
The balance between the fresh and saline water	will also increase	if the sea level keeps rising due to climate change.

## E. What can the human beings do?

Read the following problems and suggest two ways to solve those.



Learning Objective:

vocabulary, tense, using "be + going to" and "will", sentence construction, identifying causes and effects, giving suggestions.



## The only discipline that lasts is self-discipline.

You must lead your life in a way where you study on time, play on time, go to school on time and have your meals on time.  
If you follow this practice, it will help you to be successful in life.



আপনার সচেতনতাই আপনার শক্তি, জ্বলে উঠুন আপন শক্তিতে