

Child Centered Climate Change Adaptation শিশু কেন্দ্রিক জলবায়ু পরিবর্তন অভিযোজন

Disaster and Climate Change Learning Calendar

This Calendar provides children and their families with information about climate change and disasters and useful tips on how to stay safe. It was developed under the 'Disaster Preparedness and Mitigation: Build Safe and Resilient Communities' project



Child Centered Climate Change Adaptation

শিশু কেন্দ্রিক জলবায়ু পরিবর্তন অভিযোজন

This material can be used in a classroom situation or peer to peer education to raise awareness on climate change among the students from class III to V. The flipchart can also be used for the students of class I-II and community awareness purposes.

Potential user/facilitator of the flipchart:

- ◆ School Teachers
- ◆ Member of Student Council
- ◆ Member of Children Organization in the community
- ◆ Peer Educator
- ◆ Field Workers

Objectives to use the Flipchart:

- ◆ Understand and explain the seasons of Bangladesh, and causes and impact of climate change on the environment.
- ◆ Identify and explain the problem created by human activities that are contributing to climate change and provide strategies and tips on how to cope with the changing climate and the increasing disaster risk.

Some tips for Flipchart presentation:

- ◆ Get a clear understanding about the content of the flipchart before presenting.
- ◆ Make sure that everyone can see it clearly.
- ◆ Use easy and local language during the presentation.
- ◆ Do not prolong the discussion unnecessarily, instead make sure that the important messages are disseminated repeatedly.
- ◆ Ask questions to the participants and seek for answers.
- ◆ After discussion, summarize it quickly.
- ◆ If there is any confusion, explain it again.
- ◆ Conclude the discussion with a thank you!

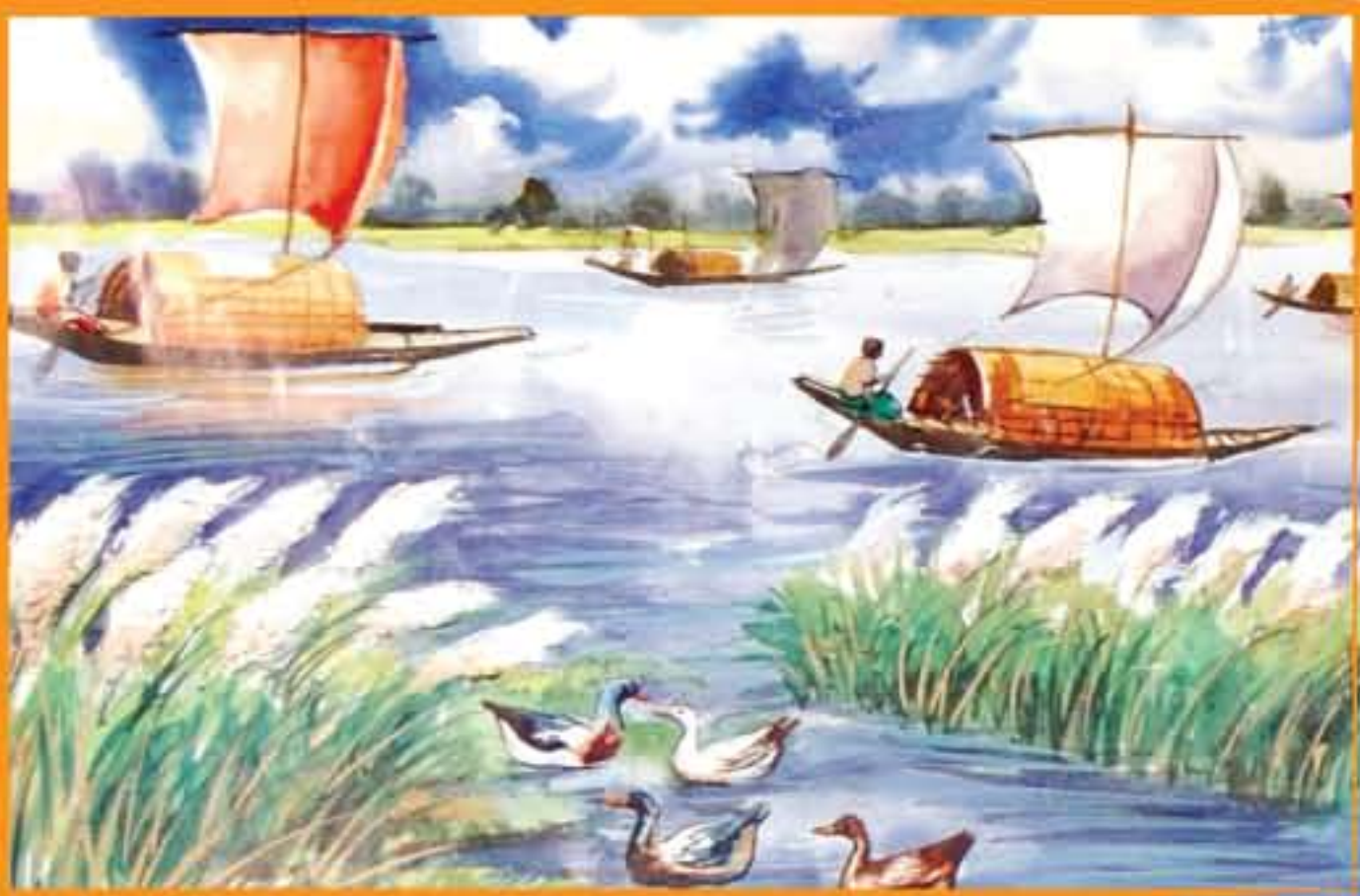
The six seasons in Bangladesh



Summer



Monsoon



Autumn



Late Autumn



Winter



Spring

**Due to climate change, Bangladesh is nowadays
only experiencing 4 seasons**



Summer



Monsoon



Winter



Spring

Trends in climate change effects

Increased temperature and more extreme cold and heat waves



Stronger and more frequent cyclones

Floods at unusual times



Climate change is caused by the warming of our atmosphere due to the increase of gases that trap the sun's heat like in a greenhouse. Sources of these greenhouse gases include:

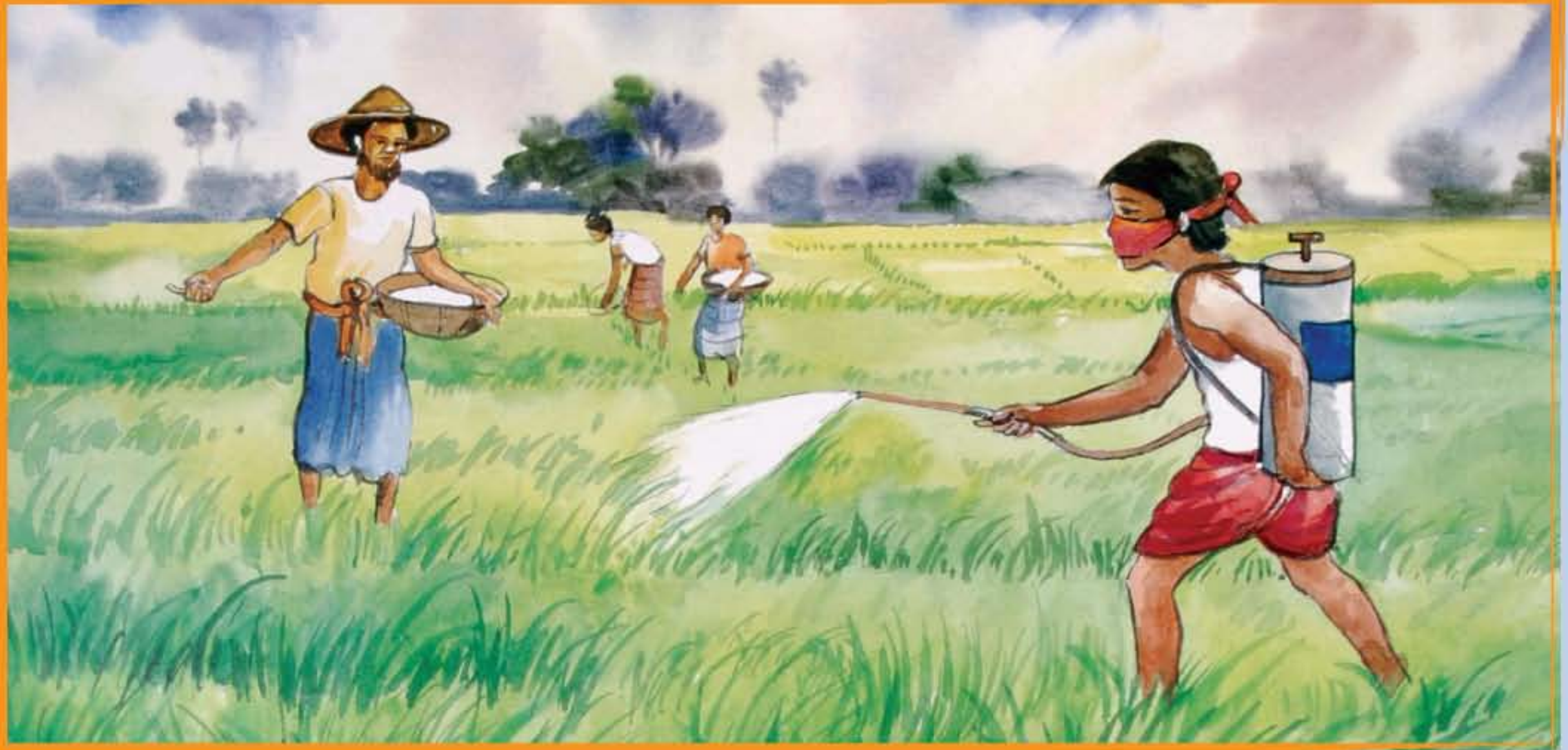


Black smoke from industries and vehicles (Carbon dioxide - CO₂)

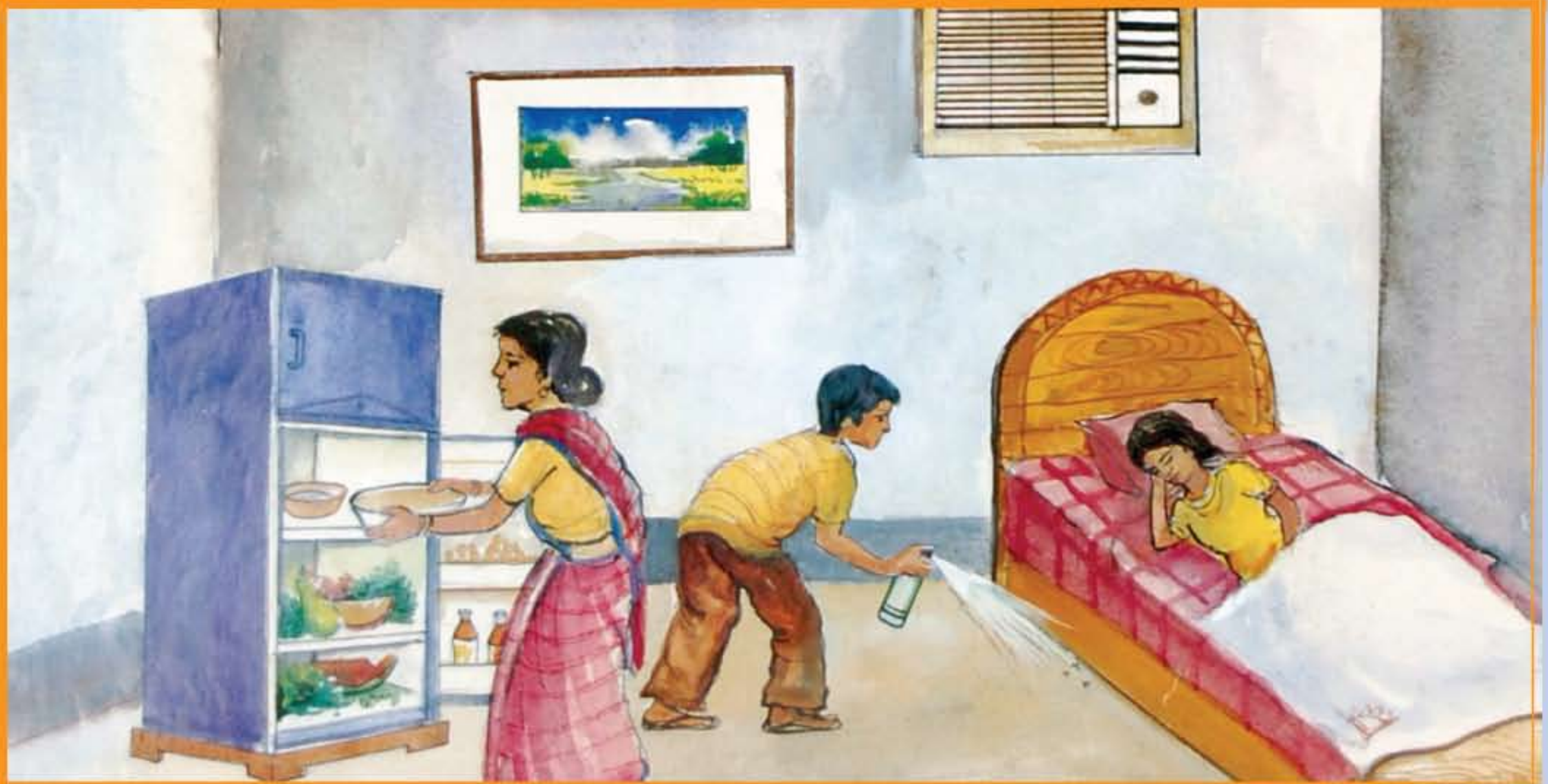


Black smoke from brick factories (Carbon dioxide - CO₂)

One of the reasons behind climate change is the increase of greenhouse gases, which come from:



Excessive use of chemical fertilizers and pesticides on farmers fields (Nitrous oxide N_2O and methane CH_4)



Gases used in refrigerators, air-conditioning and spray cans

Impact of climate change on our daily life



Increased droughts

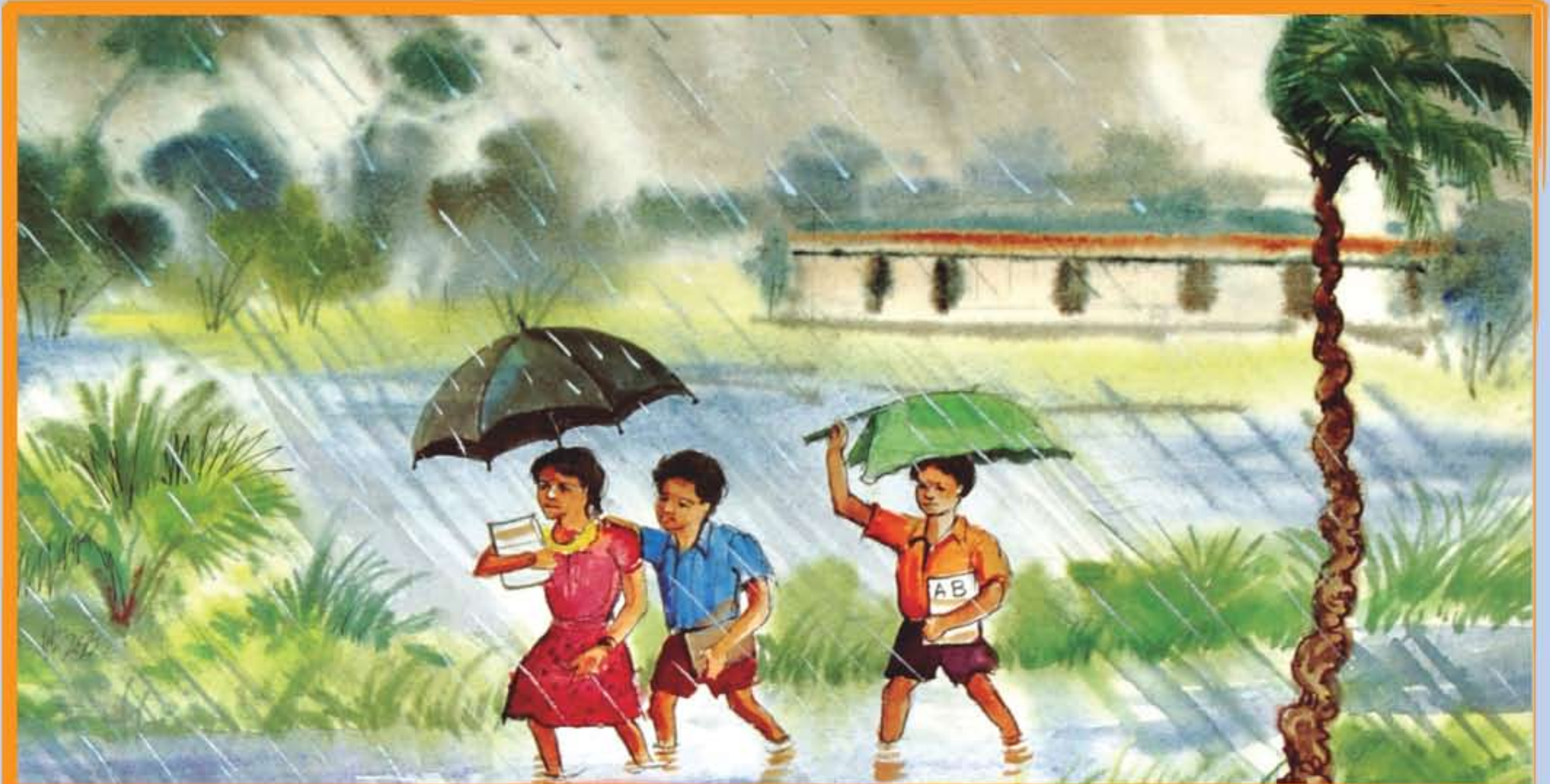


Food crisis when climate change affects the harvest and family's lack savings and alternative income/employments

Impact of climate change on our daily life



We are loosing species rapidly

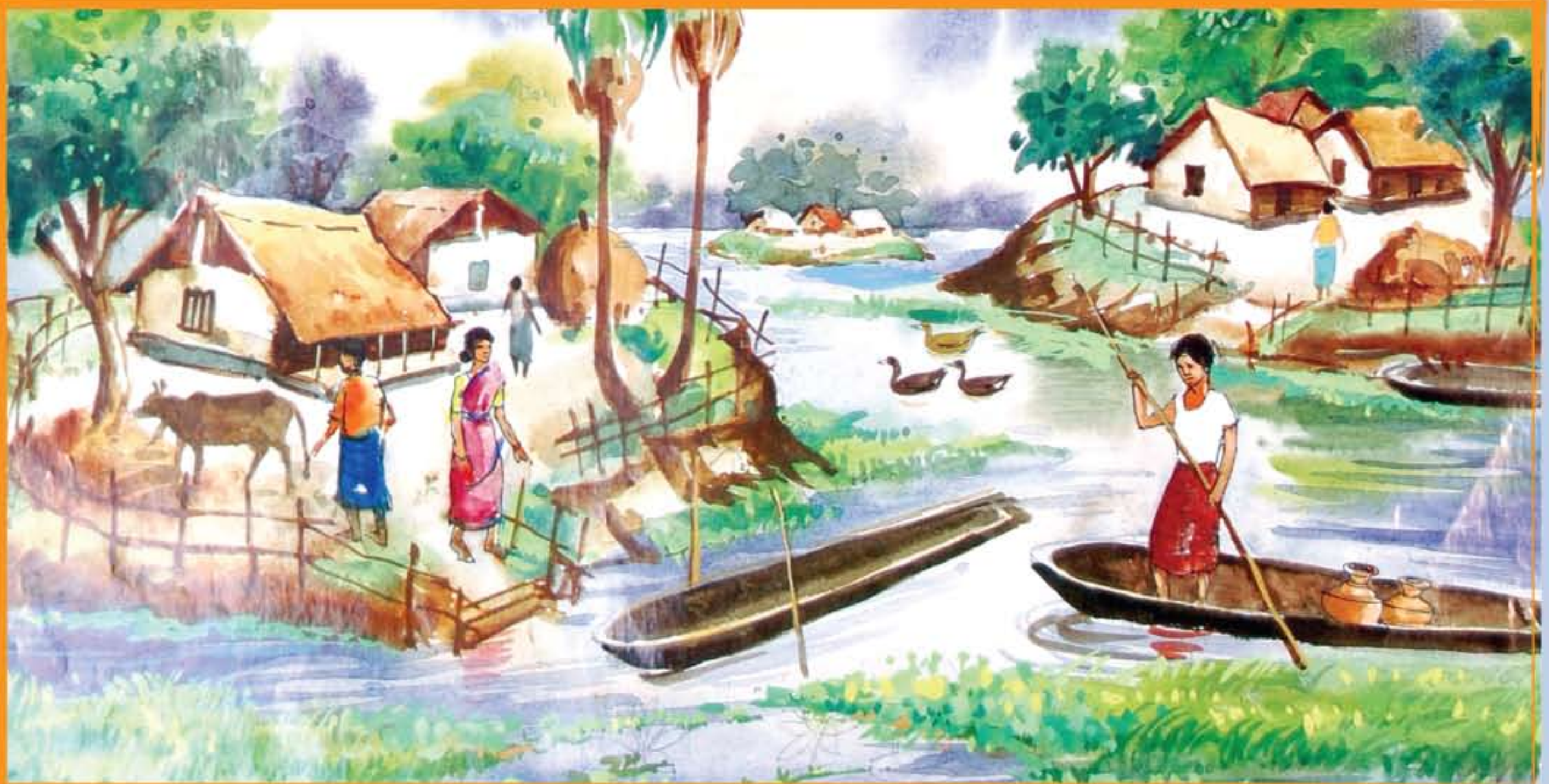


Excessive rainfall and floods

Impact of climate change on our daily life



Decreased water flow in the rivers



Sea-level rise and more intense rainfall might bring prolonged water logging and coastal erosion

Problems for people due to climate change

Increasing frequency of disaster



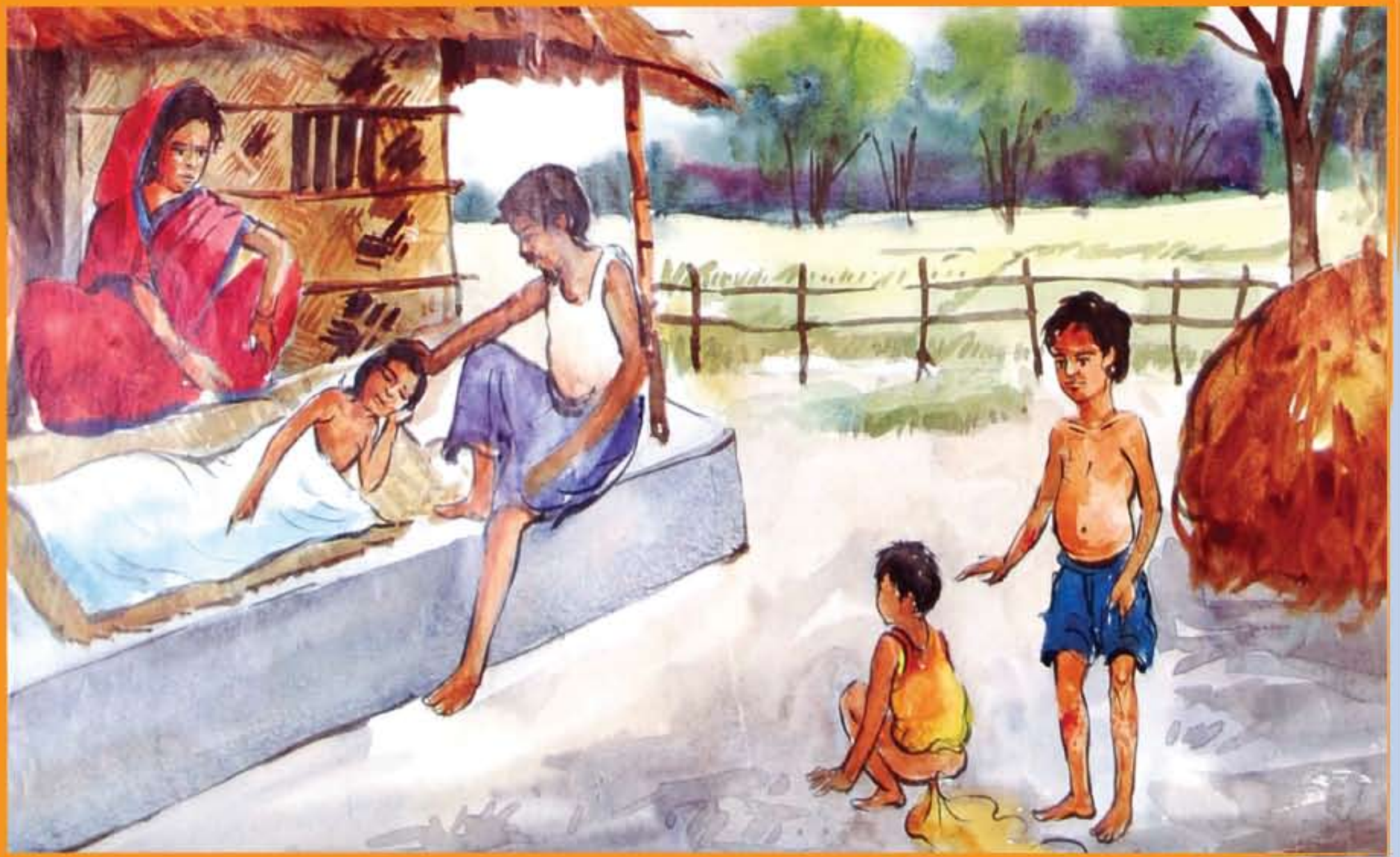
Scarcity of pure/safe drinking water

Reduced demand for farm labour work



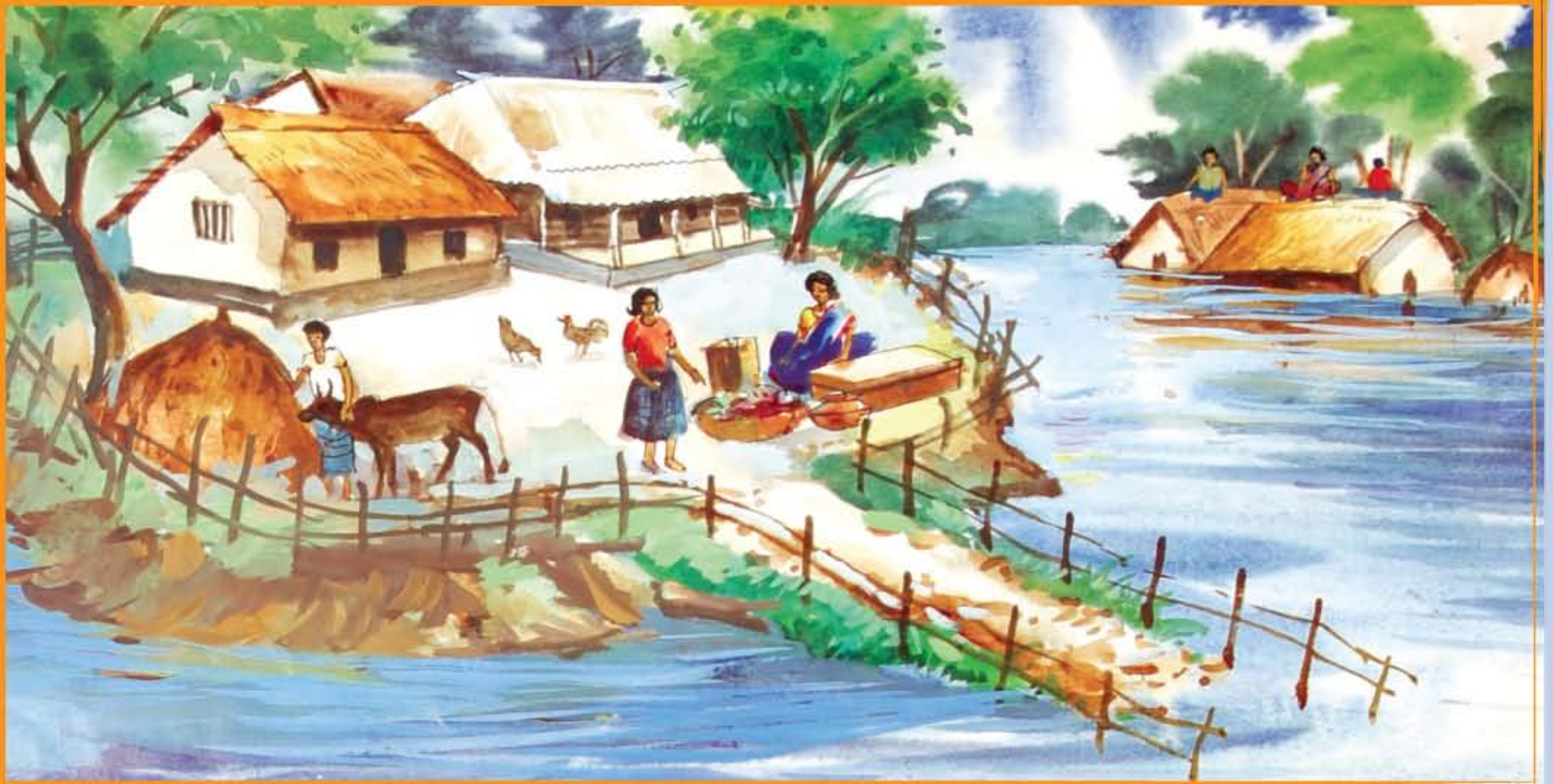
Result of climate change nowadays:

Epidemic outbreaks



People are migrating to urban areas for work. Risk of exploitation and child labour

Ways to manage disasters and adapt to climate change



Heighten homestead to protect against flood

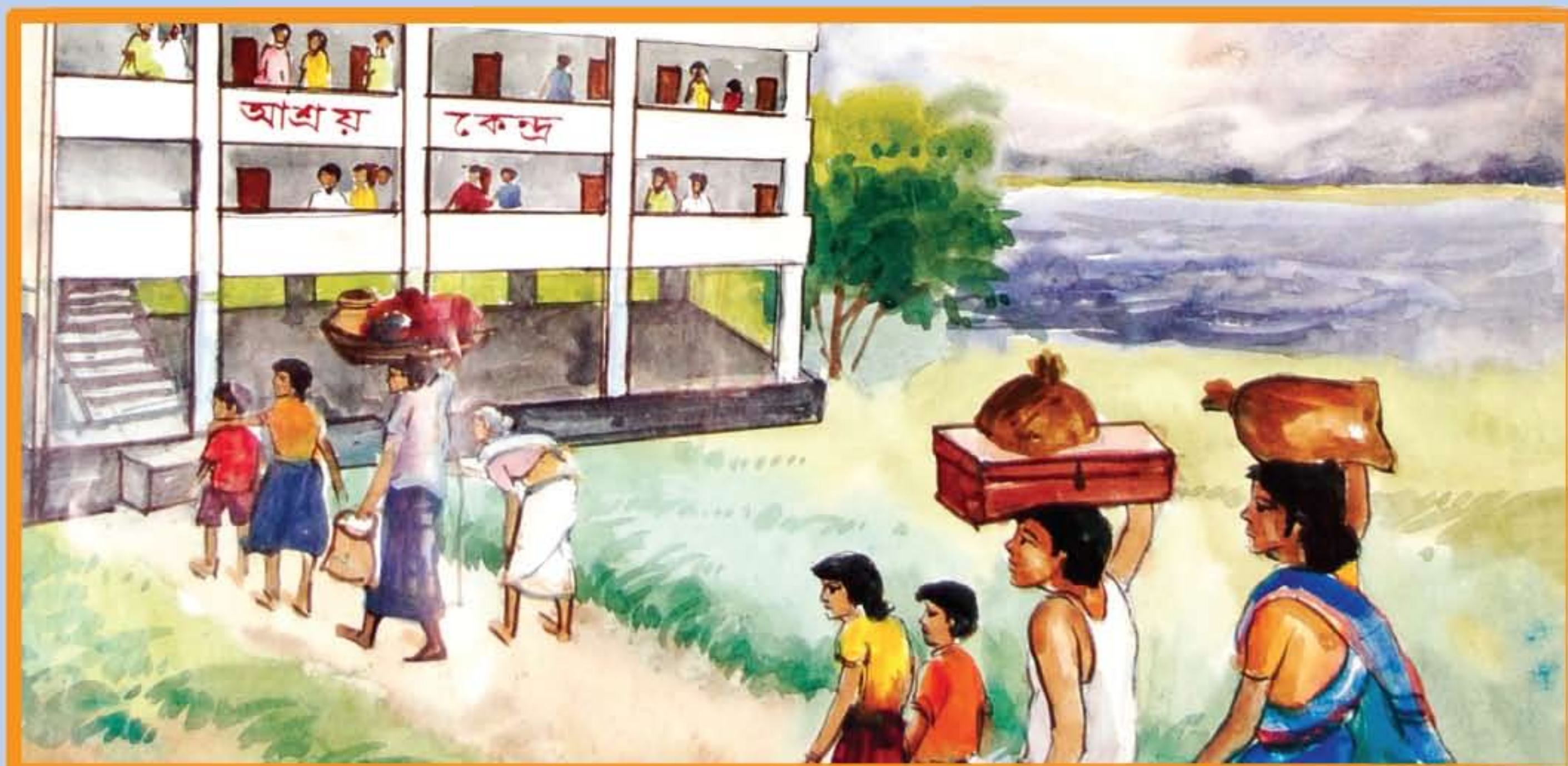


Store food and important belongings safely

Ways to manage disasters and adapt to climate change



Disseminate early warning messages about potential disaster to everyone



Take shelter in the evacuation center/safe places. Provide special help for elderly, disabled, women and children

Ways to manage disasters and adapt to climate change



Take advice from health workers regularly



Keep your home and its surroundings clean and hygienic and also use sanitary latrines

Ways to manage disasters and adapt to climate change



Ensure timely immunization of children



Regular medical check-up for pregnant woman, elderly & newborn at the health centre

Ways to manage disasters and adapt to climate change

Diversify crops through vegetable gardening in homestead and on embankments



Gardening on floating rafts in waterlogged areas

Cultivate crops that can survive saline water and flooding



Ways to manage disasters and adapt to climate change



Plant trees and mangroves with strong roots to prevent river erosion, shield against strong winds, and protect the environment.