

Mitigation or Adaptation? Print and cut out the cards along the dotted lines. Each pair of students will need one set of cards and category titles. (pg. 1 of 2)

Establishing Urban Forests

Planting trees and green roofs in cities helps cool the Earth's surface by creating shade and also removes CO₂ from the atmosphere.



Eating Plant-rich Diets

Eating less meat means less land needs to be cleared for grazing. Plant-rich diets also help to reduce greenhouse gas emissions and are healthier too!



Studying Crops

Researchers in India study what happens to crops when CO₂ levels are higher to help farmers grow food as the climate continues to change.



Credit: A. Whitebread (ICRISTAT)

Raising Homes

People who live on the coast in Louisiana are building homes on stilts to keep them from flooding as sea levels rise and hurricanes become stronger.



Switching to Renewable Energy

Using solar panels to collect energy from the Sun instead of burning coal and natural gas for electricity reduces the amount of carbon dioxide emissions that enter the atmosphere.



Using Less Energy at Home

Setting the thermostat to keep your house a little bit cooler in the winter and a little bit warmer in the summer will use less electricity. Most electricity comes from burning fossil fuels.



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Using Public Transportation

Including public transportation, such as buses, subways, and high speed trains, in city planning cuts down on the need for individual cars. Some public transit is powered by clean energy, too.



Planting Rain Gardens

In Vermont, where climate change is expected to bring a lot more rain, people are building rain gardens to manage stormwater that causes flooding. Rain gardens also reduce pollution from runoff.



Credit: NOAA Sea Grant

Planting in New Ways

Farmers in Vietnam are fighting food shortages by planting cassava between rows of different crops across the hillsides. This makes the soil healthier and increases the amount of food they can grow.



Credit: ©2016CIAT/GeorginaSmith

Planning Evacuation Routes

In places where hurricanes are becoming more dangerous, communities plan ways to keep people safe, such as creating evacuation routes and setting up shelters.



Educating Girls

130 million girls in the world today cannot go to school. Educating girls helps them learn skills to deal with the changing climate. On average, in places where all of the youth have more education, family sizes are smaller. This can help to slow down population growth, which helps the climate.



Adaptation

Mitigation

Both