

EXPLORING CLIMATE SOLUTIONS

Purpose

Understanding the difference between adaptation and mitigation solutions is essential to determining the best approach to climate action.

Process

1. Working independently or in small groups of three to four students, cut out the Climate Solutions cards and write a one-sentence description of each solution. You're already familiar with some solutions, but you might need to conduct internet research to describe others.
2. Place the cards on the chart in the correct area. On the X-axis, chart where each solution falls as an adaptation solution or mitigation solution. On the Y-axis, chart how effectively you think each solution addresses climate change.
3. Choose one solution that you believe is highly effective and explain the reasons behind your choice.



4. Choose one solution that you believe is ineffective and explain the reasons behind your choice.

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5. Climate Solutions cards

Biofuels	Urban cooling centers	Seawalls	Carbon capture and sequestration
Recycling programs	Coastal wetland restoration	Electric vehicles	Heat pumps
Renewable energy	Drought-resistant seeds	Nuclear energy	Desalinization facilities
Vaccine access	Low-carbon cement	Electrical grid updates	High-efficiency fertilizer

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