



Set Up Information:

- Players: 2-6
- Time: 20-30 minutes
- Print out board games and cards
- Dice
- 1 marker/token per player

Goal: Be the first player to reach “Climate Hero” at the end of the board by using positive actions to reduce climate impact and avoid negative events.

How to Play

1. Place all player tokens on Start.
2. Shuffle each deck of cards and place face down on the ‘Card Mat’

Turn Structure

1. Roll the die → move your token forward.
2. Follow the instructions of the space you land on:
 - Draw a card from the corresponding deck and apply its effect.
 - Some say to Go again, move ahead, move backward, or lose a turn.
3. End turn → next player rolls.



Name:

Class:

Part 1: Game Experience

1. What was your favourite part of the game? Why?

2. What was the most challenging part of the game?

3. Did you notice any patterns in how the cards affected the game? Explain.

Part 2: Understanding Climate Concepts

1. Which Earth system cards (clouds, ice, ocean, etc.) helped you move forward? What did you learn about how Earth's systems affect climate?

2. Which Human Impact cards caused your token to move backward? What do these cards teach about human activities and climate change?



3. Which Personal Action or Clean Energy cards helped you move forward? How can these actions help reduce global climate change in real life?

Part 3: Reflection on Personal Learning

- Did the game make you think differently about your daily choices and their impact on the environment? How?

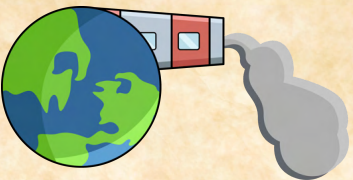
- What is one action you could take this week to reduce greenhouse gas emissions or help the environment?

- If you could change or improve the game, what would you add to help players learn even more about climate change?

CLASH
CARD MAT



Earth Systems



Human Impact



Personal Action



Clean Energy

**CLIMATE
CLASH**



Earth Systems

**CLIMATE
CLASH**



Earth Systems

**CLIMATE
CLASH**



Earth Systems

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Earth Systems

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Earth Systems

**CLIMATE
CLASH**



Earth Systems

Thick Clouds form and reflect sunlight.

Move forward 1 space

Volcanic Ash blocks the sun, cooling the atmosphere.

Move forward 1 space

Volcanic Ash blocks the sun, cooling the atmosphere.

Move forward 1 space

Ice sheets reflect sunlight, helping cool the planet.

Move forward 2 spaces.

The Sun's energy output increases slightly this year.

Move back 1 space

Greenhouse gases naturally trap heat in the atmosphere.

Move back 1 space.

The ocean absorbs excess heat and slows warming.

Move forward 1 space.

Cold ocean currents move cool water to warmer regions, lowering local temperatures.

Move forward 1 space.

The ocean absorbs carbon dioxide from the atmosphere, slowing warming to a point.

Move forward 1 space.

As ice melts, less sunlight is reflected into space. Darker ocean absorbs more heat, increasing warming.

Move back 2 spaces

Large volcanic eruptions release ash that block sunlight and temporarily cool the climate.

Move forward 2 spaces.

Thick Clouds form and reflect sunlight.

Move forward 1 space

A factory releases large amounts of Carbon dioxide into the air.

Move back 2 spaces

Cars idle in a long traffic jam, burning fuel.

Move back 1 space

A company cuts down a forest for development.

Move back 2 spaces.

Waste is burned instead of recycled.

Move back 1 space.

An oil spill damages ocean ecosystems.

Move back 2 spaces.

people use more electricity than usual during a heat wave.

Move back 1 space.

Plastic pollution increases in a river near your community.

Move back 1 space

People use single-use plastics that end up in landfills, producing methane as they break down.

Move back 1 space.

Planes fly long distances, adding large amounts of Carbon dioxide to the atmosphere.

Move back 1 space.

Large ships carrying goods burn heavy fuel, polluting the air and warming the planet.

Move back 2 spaces.

A forest is cleared for farmland, reducing the number of trees that can absorb Carbon dioxide.

Move back 1 space.

A city relies on coal and oil for electricity, releasing lots of carbon dioxide into the air.

Move back 2 spaces.

**CLIMATE
CLASH**



Personal Action

**CLIMATE
CLASH**



Personal Action

**CLIMATE
CLASH**



Personal Action

**CLIMATE
CLASH**



Personal Action

**CLIMATE
CLASH**



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Personal Action

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Personal Action

**CLIMATE
CLASH**



Personal Action

You start composting food scraps at home.

Move forward 2 spaces

You walk or bike instead of getting a ride in a car.

Move forward 1 space

You bring a reusable water bottle everyday.

Move forward 1 space

You plant vegetables in a home garden so you have to travel to the grocery store less.

Move forward 1 space.

You buy local produce to reduce transportation emissions.

Move forward 1 space.

You turn off lights and electronics when they are not needed.

Move forward 1 space

You encourage your friends and family to reduce waste.

Move forward 1 space

Plant trees or a garden to absorb Carbon dioxide from the atmosphere.

Move forward 1 space.

Reduce, reuse, and recycle materials to prevent waste and lower energy use.

Move forward 1 space

Encourage your family to use energy efficient appliances and light bulbs.

Move forward 1 space

Limit food waste by planning meals and storing food properly.

Move forward 1 space

Carpool with friends or family to reduce individual driving emissions.

Move forward 1 space

Solar Panels instead can generate clean electricity.

Move forward 1 space

Wind turbines produce electricity for a town without burning fossil fuels.

Move forward 1 space

Geothermal energy is used for heating and electricity in a community.

Move forward 1 space

A small hydroelectric dam provides clean, renewable power.

Move forward 1 space

Solar water heaters reduce the need for fossil fuels to heat water.

Move forward 1 space

Battery storage systems store clean energy for nighttime or cloudy days.

Move forward 1 space

Electric buses replaces diesel buses, cutting transportation emissions.

Move forward 1 space

A neighbourhood installs solar powered street lights, reducing electricity from fossil fuels.

Move forward 1 space

Schools install rooftop solar panels and teach students about renewable energy.

Move forward 1 space

A factory switches from coal power to renewable energy sources.

Move forward 1 space

People use solar powered chargers for devices instead of electricity from fossil fuels.

Move forward 1 space

a new hydroelectric dam provides clean power.

Move forward 1 space