

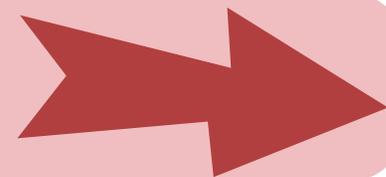
Introduction!



Greetings citizens of Earth!
This is Captain Air Control
with an important message
for you...

We're familiar with the current conditions in our atmosphere but greenhouse gas levels are increasing every year. Human activities will either raise the levels of greenhouse gases or contribute to re-balancing our atmosphere. As Earth's citizens, your actions in this game will determine the fate of our atmosphere. Review the rules and good luck!

Onward!



Set Up

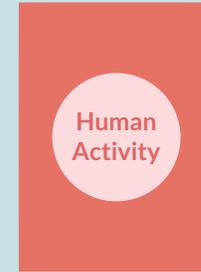
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Lay out the playing board with Round 1 face-up in the middle of the group.

Round 1: Today

4

Stack the red Human Activity Cards face down next to the game board.



5

Place the Temperature Tracker next to the game board.



6

Set the wooden Earth Token at the starting position on the Temperature Tracker where it says, "Start Here."



Arrange the 4 double-sided square Atmosphere Tiles on the board with the blue sides facing up. The numbers on the board should match the numbers on the Atmosphere Tiles.



Stack the blue Human Activity Cards face down next to the game board.





How to Play?

How to Win?

The Greenhouse is a game about greenhouse gases and our atmosphere. The team that survives the longest wins. To survive, your team must prevent the Earth Token from reaching the top of the Temperature Tracker. In this game, everyone on your team wins together or loses together. Are you up for the challenge?!

Turn Taking

- 1 Select one player to be the first Investigator. The Investigator takes the Investigator Sheet and reads the message from Captain Air Control to the rest of the team.
- 2 The Investigator starts the game by rolling both dice.
- 3 Add the values of the two dice you rolled. If this value lands you on a red space, move the Earth Token up one space on the Temperature Tracker.
- 4 However, if the added dice value lands on a blue space, move the Earth Token down one space on the Temperature Tracker.
- 5 If the added dice value lands on a flippable tile (4, 5, 7, 9), draw a Human Activity Card:
 - If the tile is **BLUE**, draw a card from the **RED** deck and flip the tile to **RED**.
 - If the tile is **RED**, draw a card from the **BLUE** deck and flip the tile to **BLUE**.
- 6 Pass the dice to the next player. The next player starts their turn by rolling both dice and following steps 3 - 6.

Ending a Round

The game round is complete when the Earth Token reaches the top of the Temperature Tracker. When this happens, the last player that rolled the dice becomes the Investigator and reads the questions for the game round to the rest of the team. The Investigator records the group answers on the Investigator Sheet.



Summary

1 Roll the dice!

2 Check what color the dice landed on and adjust the Temperature Tracker.

3 If the dice landed on a flippable tile, draw a Human Activity Card and flip the tile.

4 When the Earth Token reaches the top of the Temperature Tracker, the round is complete.

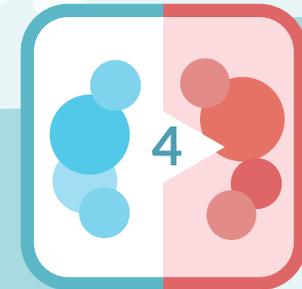
5 Have fun and see how long your team can survive!



The Greenhouse

a game about greenhouse gases
and our atmosphere

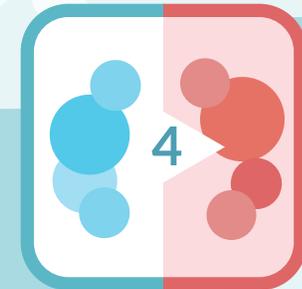
Round 1: Today



The Greenhouse

a game about greenhouse gases
and our atmosphere

Round 2: Near Future



Human Activity



The atmosphere gets warmer because people are burning more coal for power instead of choosing solar power.

flip the tile

Human Activity



The atmosphere gets warmer because too many people are building large houses for small families.

flip the tile

Human Activity



The atmosphere gets warmer because more people are buying large cars and trucks that use more gas.

flip the tile

Human Activity



The atmosphere gets warmer because new cement factories are opening to create more buildings and roads.

flip the tile

Human Activity



The atmosphere gets warmer because more people are buying goods from far away instead of locally.

flip the tile

Human Activity



The atmosphere gets warmer because people are burning more gas for power instead of choosing wind power.

flip the tile

**Human
Activity**

**Human
Activity**

**Human
Activity**

**Human
Activity**

**Human
Activity**

**Human
Activity**

Human Activity



All new paper is made from recycled paper so fewer trees are cut down.

flip the tile

Human Activity



Everyone on Earth just planted their favorite type of tree.

flip the tile

Human Activity



Every business on Earth is powered by wind turbines.

flip the tile

Human Activity



More people than ever are using an electric bicycle instead of a car.

flip the tile

Human Activity



Every house on Earth is powered by solar panels.

flip the tile

Human Activity



All Trains and buses are now using electric motors.

flip the tile

Human
Activity

Human
Activity

Human
Activity

Human
Activity

Human
Activity

Human
Activity

Human Activity



The atmosphere gets warmer because people are commuting longer distances to get from home to work or school.

flip the tile

Human Activity



The atmosphere gets warmer because people are taking more airplane flights than ever before.

flip the tile

Human Activity



The atmosphere gets warmer because more and more people are eating diets with a lot of meat.

flip the tile

Human Activity



Solar-powered airplanes really take off, and they give off no exhaust.

flip the tile

Human Activity



People are living in smaller houses.

flip the tile

Human Activity



More people grow their own food.

flip the tile

**Human
Activity**

**Human
Activity**

**Human
Activity**

**Human
Activity**

**Human
Activity**

**Human
Activity**



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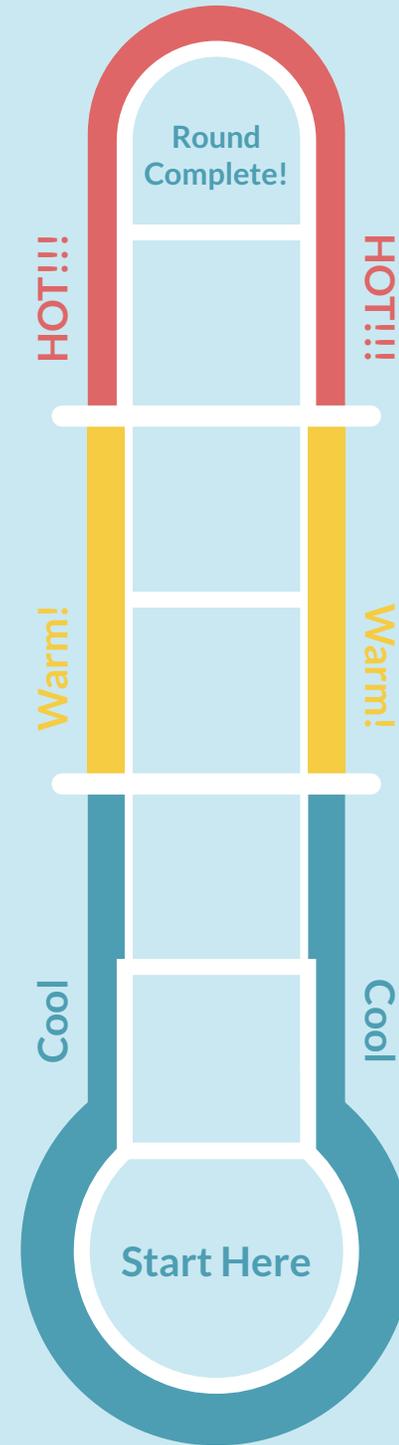
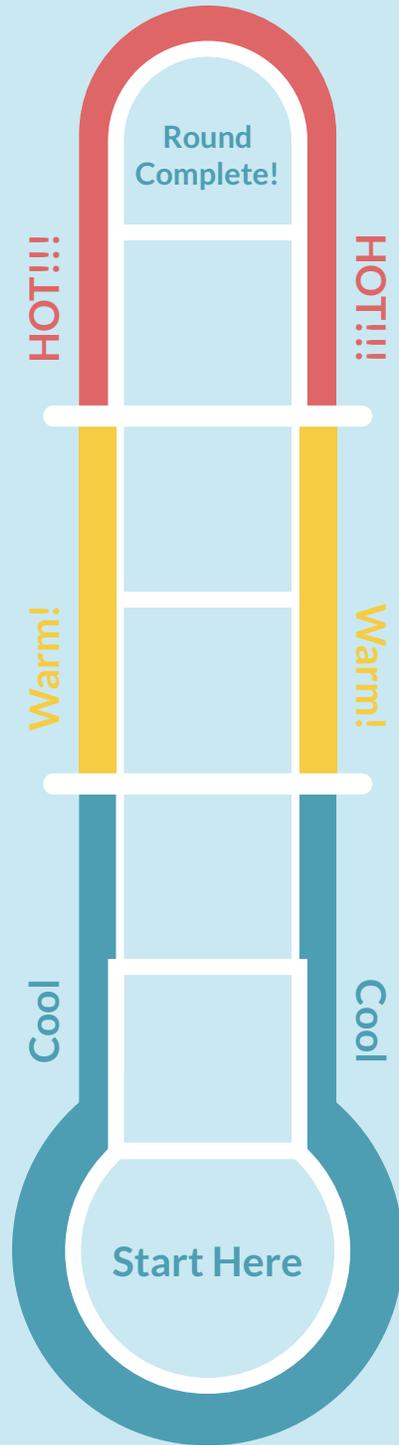
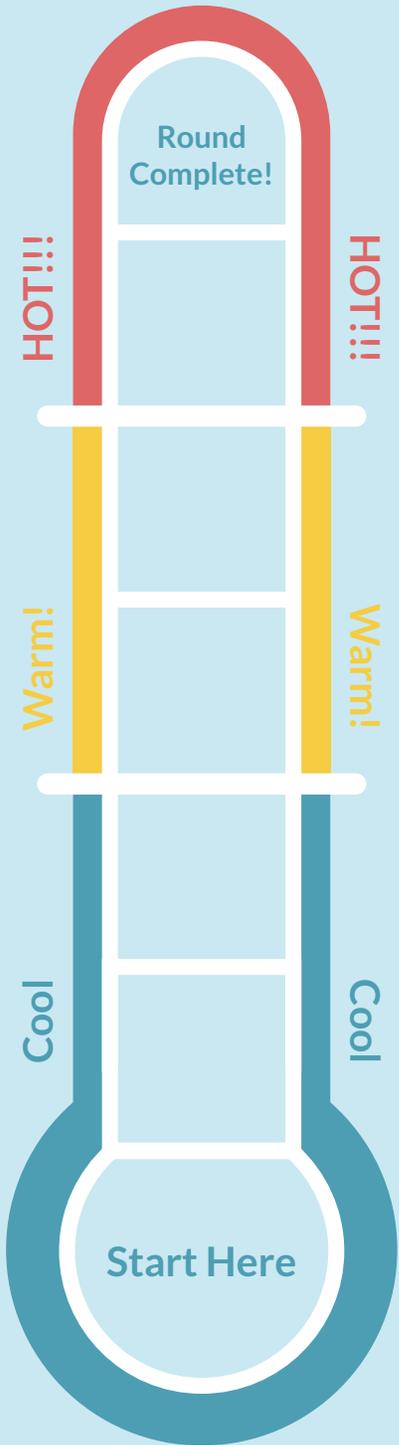
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9
air





Inspector Sheet

Greetings Inspector! It's time to take a closer look at what's going on in our atmosphere. As you play each round, use the tally-boxes on the right to keep track of the number of turns you took in each round of the game. You can get started by filling in each player's name next to their tally boxes on the right!



Player 1: _____

Player 2: _____

Player 3: _____

Player 4: _____

Player 5: _____

Round 1 Turns

Round 2 Turns

<input type="text"/>	<input type="text"/>

Round 1

Inspector's Name _____

About how many turns did your group take before the Earth Token reached the top of the Temperature Tracker?

What happened to the atmosphere over the course of this round?

Round 2

Inspector's Name _____

About how many turns did your group take before the Earth Token reached the top of the Temperature Tracker?

What was the difference between this round and the first round?

