

# Instructions

This printable, colorable game allows you to explore different biomes from around the world while learning to make ecofriendly decisions. Each square is labeled with one of four biomes which correspond to the attached information sheets (you won't need to print these out). The tasks relate to these biomes and each is worth a certain number of points. You earn these points by completing the tasks and can cross out one square in the respective biome for each point you gain. The game is finished when all the squares have been crossed off.



Please write your name on the board once you have finished, take a picture of it, and submit it in the form on the Tomorrow Project Website. When we receive your completed game board, we will send you a certificate naming you an 'Ecowarrior' and recognizing your completion of the game. Additionally, if you send in the picture before June 20th, you will be entered into a raffle for a Tomorrow Project T-shirt! Have fun!

# Forest

Temperate forests can be found all across the country and make up about 25% of the world's forested areas. Temperate forests are defined by their average temperature of about 50 degrees Fahrenheit.

## Threats facing temperate forests:

- Deforestation
- Mining
- Invasive species
- Global warming



## How can we help?

Task	How does this help?	Points earned
Plant a native tree	As forest space dwindles, and invasive species take over, native wildlife can struggle to find habitats in an urban setting. Planting a Native tree can provide habitat for local species and remove carbon from the atmosphere! Native trees can be planted from seeds or starters.	4
Visit a local forested area	Temperate forests can be found all around us! Depending on where you live, you may have local, state, or national parks nearby. The temperate forest ecosystem can be observed at any natural park so get outside and experience nature!	3
<a href="#">Create a native ecosphere</a>	By creating a native ecosphere using the video tutorial, You will create a fully functioning enclosed ecosystem. By observing your biosphere you can understand how each part of the ecosystem works together and witness the water cycle inside a jar!	3
Watch: <a href="#">Deforestation Effects on climate</a>	This educational video goes over what deforestation is and the risks that come with it. It even gives some tips on how to help protect forests from deforestation!	2

# Jungle

**Tropical Rainforests can be found in Asia, Africa, South America, and Australia. These rainforests are categorized by their warm temperatures and frequent rainfall.**

**Threats facing tropical rainforests:**

- **Cattle Ranching**
- **Poaching**
- **Logging**
- **Pollution of rivers**



**How can we help?**

Task	How does this help?	Points earned
Meatless for a day	The leading cause of rainforest deforestation is actually cattle ranching. Additionally, Manure runoff can pollute rivers and cause algae blooms. Saying no to meat can protect tropical rainforests and the rivers within them.	3
Changed Browser to Ecosia	Whiles the number one way we can stop deforestation is to stop cutting down trees, planting trees is very important as well. When Ecosia is your browser, Ecosia plants trees when you search the internet.	2
Read: <a href="#">Cattle Ranching in the Amazon region</a>	This article might be a tough read so we recommend you read it with a adult. The article goes over how cattle ranching is responsible for deforestation. Read the article to learn about the impacts of animal agriculture!	2
Make something new out of items from your trash or recycling	In order to make paper products, trees need to come down and be turned into pulp. Not only does this result in destruction of habitat but it also causes erosion. Erosion is when rainwater picks up dirt and brings it into rivers and oceans where it can harm the ecosystem. Give single use products a second life by turning them into art!	2

# Grassland

Temperate grasslands can be found in north America, Eurasia, South America, and Africa. Grasslands are characterized by their absence of trees and shrubs which is filled in by grasses.

## Threats facing Temperate Grasslands:

- Agriculture
- Overgrazing
- Killing of predators
- Drought
- Invasive Species



## How can we help?

Task	How does this help?	Points earned
Start a garden.	As prairie land is cleared for agriculture it becomes increasingly important to grow your own food when you can. A simple pot will do to grow some vegetable seeds or starters. Growing your own food is rewarding, healthy, and good for the environment!	4
<a href="#">Calculate your water usage</a>	As drought strikes temperate grasslands, its important to understand just how much water you use as a family. This website will give you an estimate of how much water you use every day, and can help you use less water! You may need help from an adult to answer some of the questions.	2
Watch: <a href="#">Temperate Grasslands</a>	This video provides some general information about temperate grasslands. It is important to understand a biome in order to protect it	1
Watch: <a href="#">The threats of invasive species</a>	Invasive species are some of the biggest threats to grasslands across the world. This video gives some background on what invasive species are and how they are introduced to foreign territories.	2

# Ocean

**Choral Reefs are some of the most biodiverse places in the world. Choral Reefs can be found all across the world and are characterized by large groupings of choral that serve as habitat for thousands of species.**

## Threats facing Choral Reefs:

- Ocean Acidification
- Choral Bleaching
- Overfishing
- Pollution
- Costal Development



## How can we help?

Task	How does this help?	Points earned
<a href="#">Calculate your Carbon Footprint</a>	One of the biggest threats to shellfish and choral is ocean acidification which is caused by high amounts of Co2 in the ocean. Use this website to calculate your carbon footprint and understand how to reduce it.	1
Upcycle something	Everything you buy has a carbon footprint. Excessive carbon in the atmosphere can result in elevated temperatures which can cause choral bleaching. Rather than buying something, Upcycle something you don't use anymore! <b>The Tomorrow Project's</b> Instagram has some upcycling tips.	1
Download Seafood watch	Overfishing is very dangerous for the ocean and choral reefs; However, fishing can be done sustainably, have you or an adult download the seafood watch app to tell you what fish at the grocery store is or isn't sustainable.	1
Pick up 5 pieces of trash outside.	Marine plastic pollution is one of the biggest threats our ocean is facing. Currently, the great pacific garbage patch is bigger than Texas! Any trash outside can be picked up by rainwater and brought into our ocean where it can harm wildlife. Pick up trash to prevent this from happening. Please do this with an adult for your safety.	1