

GUARDIANS OF THE FOOD GALAXY

LESSON 7

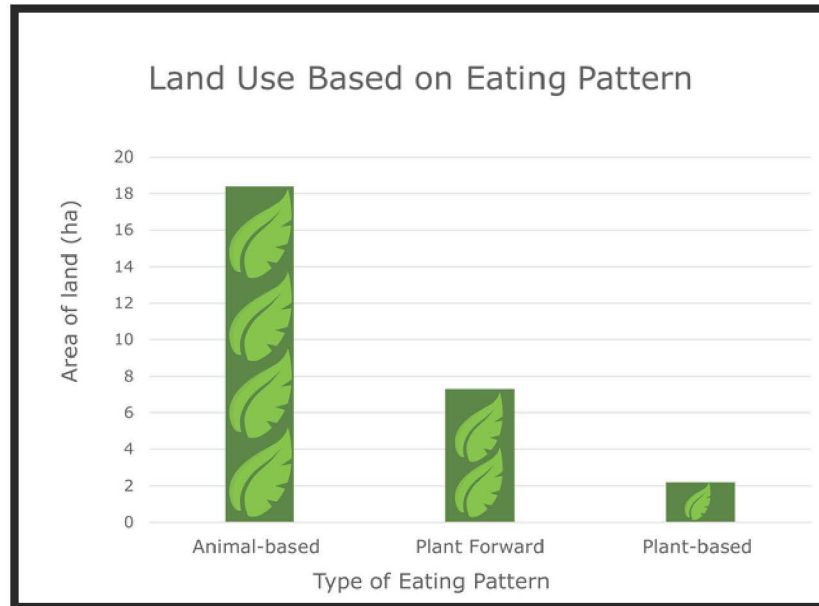


Resources Used Based on the Eating Pattern

(Ha) means
hectare

1 hectare = 1000m^2
So... 5 hectares =
 5000m^2 of land!

1 hectare is the size
of almost 3 football
fields!



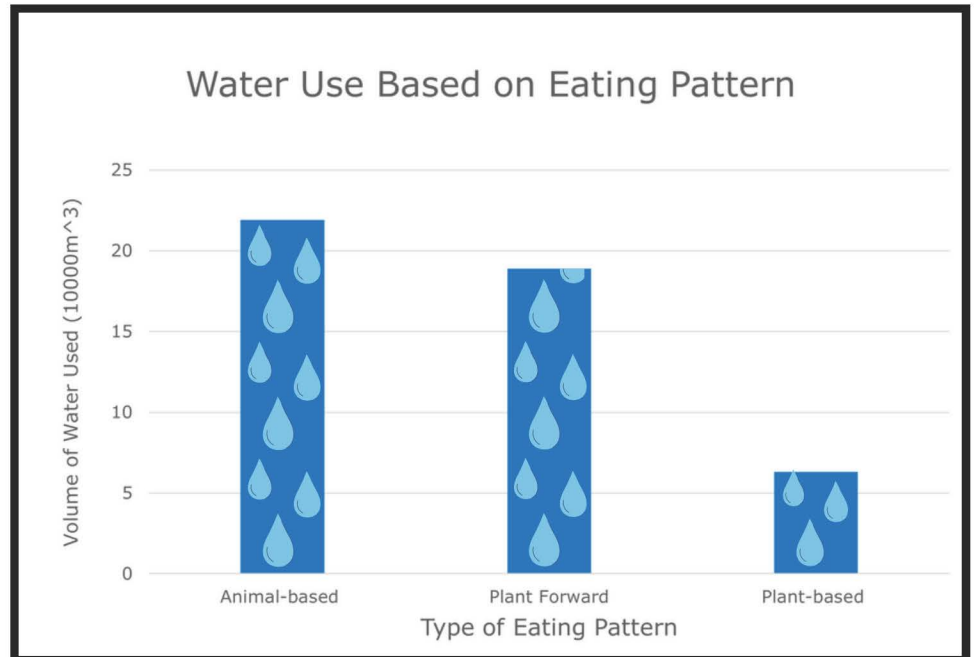
1. Area of land used for an Animal-based eating pattern: _____ ha
2. Bonus Question: How many football fields is this? _____
3. Area of land used for a Plant Forward eating pattern: _____ ha
4. Area of land used for an Plant-based eating pattern: _____ ha
5. Bonus Question: How many football fields is this? _____
6. Which eating pattern uses the least amount of land?

7. Which eating pattern uses the most land? Why do you think it uses the most?

Resources Used Based on the Eating Pattern

1000m³ is how we measure volume of water.

1000m³ of water would fill 8,000 pools!



1. Volume of water used for an Animal-based eating pattern:

_____ 1000m³

2. Volume of water used for a Plant Forward eating pattern:

_____ 1000m³

3. Volume of water used for an Plant-based eating pattern:

_____ 1000m³

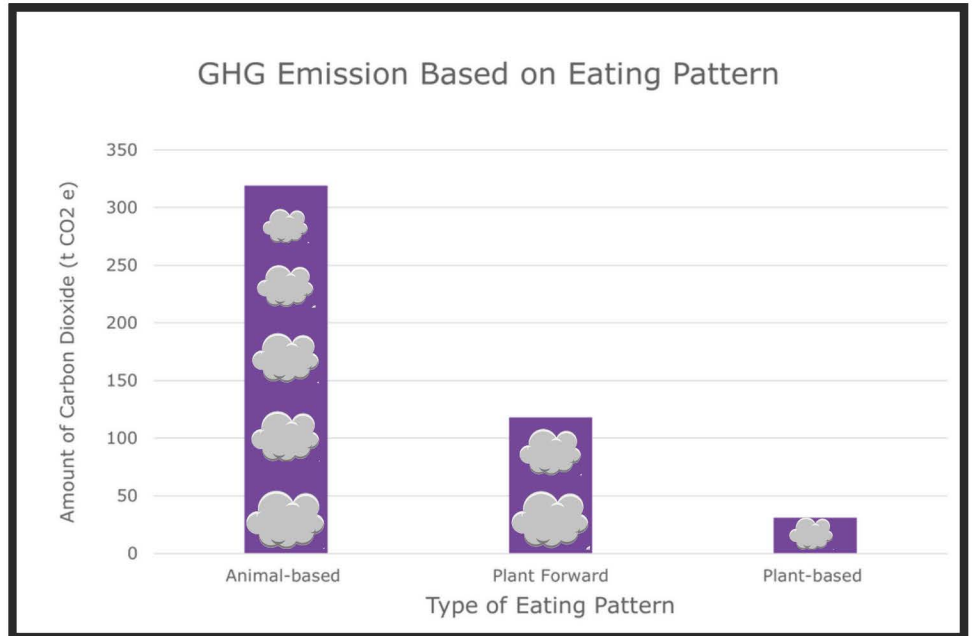
4. Which eating pattern uses the least amount of water?

5. Which eating pattern uses the most water? Why do you think it uses the most?

Resources Used Based on the Eating Pattern

1 t CO₂e means tons of carbon dioxide.

1 ton of CO₂ would fill 200 balloons!



1. Volume of CO₂ used for an Animal-based eating pattern:

_____ tons of CO₂

2. Volume of CO₂ used for a Plant Forward eating pattern:

_____ tons of CO₂

3. Volume of CO₂ used for an Plant-based eating pattern:

_____ tons of CO₂

4. Which eating pattern produces the least amount of the greenhouse gas, CO₂?

5. Which eating pattern produces the most amount of the greenhouse gas, CO₂? Why do you think it produces the most?

THE FRIDGE GAME

Instructions

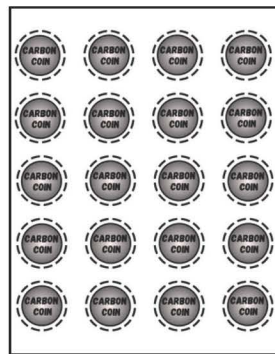
GAME CONTENTS



Game Board

| The Fridge Game: Key | | | |
|----------------------|------|-------------------|------|
| Broccoli | ⊖ x1 | Whole wheat Bread | ⊖ x1 |
| Banana | ⊖ x0 | Rice | ⊖ x1 |
| Carrots | ⊖ x0 | Pasta | ⊖ x1 |
| Corn | ⊖ x1 | Beans | ⊖ x1 |
| Radish | ⊖ x1 | Fish | ⊖ x1 |
| Grapes | ⊖ x1 | Chicken | ⊖ x1 |
| Apples | ⊖ x0 | Lamb | ⊖ x5 |
| Orange | ⊖ x1 | Steak | ⊖ x5 |

Game Key Sheet



Carbon Coin paper sheet



1 die



Scissors



1 pawn per player

OBJECTIVE

Dive into the fridge and find out how many carbon coins there are for each food. Be the first to get to the finish line with the **LEAST** carbon coins.

GAME SETUP

1. Start by cutting out the carbon coins and place them in a pile next to the Game Board
2. Whoever most recently ate an apple, goes first 🍏
3. Roll the die and use your token to move the number of spaces you rolled
4. Use the Game Key Sheet to see how many Carbon Coins to collect based on the space you land on
5. The person to the right goes next
6. Continue until someone makes it to the Finish Space!

SPECIAL SPACES



DEFORESTATION SQUARE

Go back 2 spaces (don't collect coins)



PLANT FORWARD SQUARE

Swap coins with a player of your choosing



YOU PLANTED A TREE!

Go forward 2 spaces and lose 3 Carbon Coins (don't collect coins)



FINISH SPACE

You win!



The 1st person to make it to the finish line wins the game but whoever has the least amount of Carbon Coins gets 2nd place no matter where they are on the board.

THE FRIDGE GAME

FINISH

YOU PLANTED A TREE!

MOVE UP 2 SPACES →

YOU SWAPPED STEAK FOR BEANS!

SWAP COINS WITH A PLAYER OF YOUR CHOOSING

DEFORESTATION SQUARE

GO BACK 2 SPACES →

START

The Fridge Game: Key



Broccoli

 x 1



Banana

 x 0



Carrots

 x 0



Corn

 x 1



Radish

 x 0



Grapes

 x 1



Apples

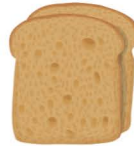
 x 0



Orange

 x 1

Whole Wheat Bread



 x 1



Rice

 x 1



Pasta

 x 1



Beans

 x 1



Fish

 x 3



Chicken

 x 3



Lamb

 x 5



Steak

 x 5

