

# SUSTAINABLE HANDPRINTS

Two green handprints are positioned behind the text. One is on the left and one is on the right, both with fingers spread.

*Digital Learning  
Game*

**"GUESS WHAT"**

*Deniz Çil  
Sona Ghulammi*

# HOW DID IT START?

I want to educate the children and future generations for a better World. I need to find a way to encourage children!

We want to live in a fun, green, equal World!



- The age group should be +10
- Location: Classroom, Home
- Idea: Dividing Sustainability into four groups for a better understanding
- By consulting a pedagogue: Using colorful characters to raise their interest
- Since the kids don't know the units, I have to ask the questions in terms of water bottles, etc.
- Creating a board game would be catchy



- We will start to recycle our trash
- We will close the tap while we are brushing our teeth
- We will be nice to bees
- We will try to go to school on our bikes



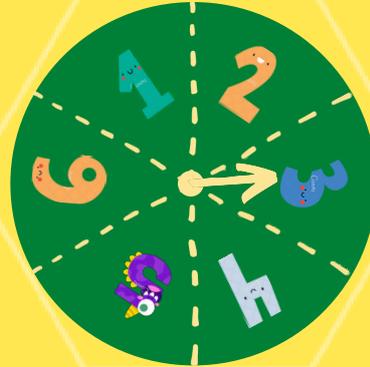
# GUESS

# WHAT



## COMPONENTS

- A board
- One wheel
- Tokens for each group
- Question Cards



## SETUP

- Place the board on a table.
- The "Guess What" question cards will be placed on the table.
- Divide the classroom into two teams
- Each group chooses one token to represent them while traveling around the board.
- Each team spins the wheel. The group must answer the question card correctly to go to the point where they spun the wheel. *The question of each group can be read by the opposite team.*
- If a group comes to a bee letter a bonus question will be asked. If the letter shows **upper direction**, and they know the question correctly they will go up, if not they will remain. If the letter shows a **lower direction**, and they know the question correctly they will remain, if not they will go down.

## TOKENS

- One team sun as a renewable energy source
- One team wind as a renewable energy source



## QUESTION CARDS

- 20 Cards for Water consumption-contamination
- 20 Cards for Recycling
- 20 Cards for Air pollution
- 20 Cards for Carbon footprint and handprint
- 20 Cards for Bee bonus questions

# GUESS WHAT ?

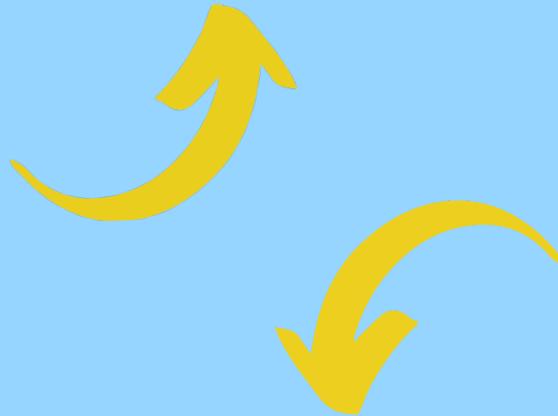


**How many water bottles is the amount of water consumed in 1 minute in a shower?**



**20 Water Bottles  
(0.5L)**

4 ways to measure a 5 minute shower. Sustainability at Harvard. (2020, February 4). Retrieved December 1, 2021, from <https://green.harvard.edu/tools-resources/green-tip/4-ways-measure-5-minute-shower>.



**\*The quantity of carbon dioxide emitted into the atmosphere as a result of your personal energy demands is known as your carbon footprint.**

**Do we create less carbon footprint when we travel by train or by plane?**

**TRAIN**

**PLANE**

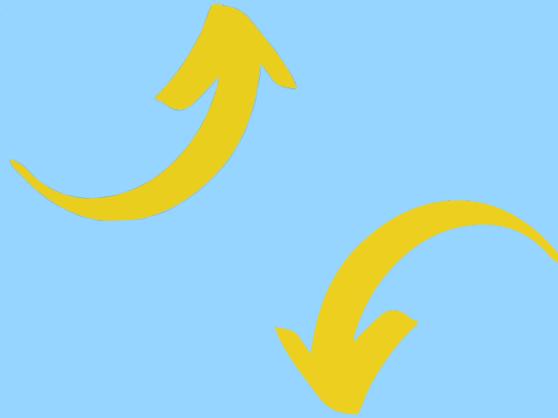


Motavalli, J. (2021, March 0). Plane, train or automobile: Which has the biggest footprint? Treehugger. Retrieved December 1, 2021, from <https://www.treehugger.com/plane-train-or-automobile-which-has-the-biggest-footprint-1068816>.

**A wide variety of different materials can be recycled: Name four of them.**



**Paper, plastic, glass, metal, textiles and electronic equipment**



**What is one of the ways people can reduce air pollution?**

**A. Create major forest fires**

**B. Use less energy, walk and ride bikes**

**C. Eat more meat to absorb the toxins**





# REFERENCES

1. ITU Environmental Engineering Student Club. (2018, January 1). Suyun Gözyaşları. Drive Folder Suyun Gözyaşları. Retrieved December 2, 2021, from <https://drive.google.com/drive/folders/1tX5bjZyw3YJ5KuTaxicmTtwcUxBwHU> My.
2. 4 ways to measure a 5 minute shower. Sustainability at Harvard. (2020, February 4). Retrieved December 1, 2021, from <https://green.harvard.edu/tools-resources/green-tip/4-ways-measure-5-minute-shower>.
3. Motavalli, J. (2021, March 6). Plane, train or automobile: Which has the biggest footprint? Treehugger. Retrieved December 1, 2021, from <https://www.treehugger.com/plane-train-or-automobile-which-has-the-biggest-footprint-4868815>.

