FIND THE FOOTPRINT!

WHAT DO YOU KNOW ABOUT OUR CONTINENTS?



Discuss in small groups:

How many continents are there?

What do you know about these continents?

What makes each continent special?



What do you know about our continents?



Find the continents on the world map!

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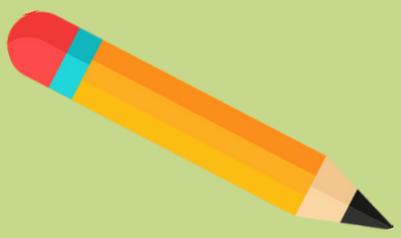
FIND THE FOOTPRINT!

WHAT DO YOU KNOW ABOUT OUR CONTINENTS?

Discover our continents!

Find out some interesting facts and do two tasks.

TASK 1: Which continents are there? Put the words in the correct order!



1. Aicraf _____
2. Acatnacirt _____
3. Aais _____
4. Euorpe _____
5. Nhtor Aamrice _____
6. Aaliasutr _____
7. Sutho Aecrima _____



TASK 2: Read some interesting facts and fill in the names of the continents!

Did you know that our big, round Earth is divided into seven giant pieces called _____?

Each one is like a unique puzzle piece that fits together to make our planet wonderful and special.

1. Imagine going on a safari in _____! It is a land of amazing animals such as the elephant, the lion and the giraffe. It is the second largest continent.

2. Way down at the bottom of the Earth is _____, covered in ice and surrounded by a chilly ocean. Animals like penguins and seals live there.

3. _____ is the largest continent and home to countries like China, India, and Japan.

4. _____ is a place full of history, different languages, and delicious foods.

5. _____ is the continent that includes the United States, Canada, and Mexico. It's a land of diverse landscapes, from snowy mountains to sunny beaches.

6. _____ is home to kangaroos, koalas, and the Great Barrier Reef, the largest coral reef in the world.

7. _____ is known for its lively music and dances like samba. It's also where you can find the Amazon Rainforest, a jungle full of unique plants and animals.

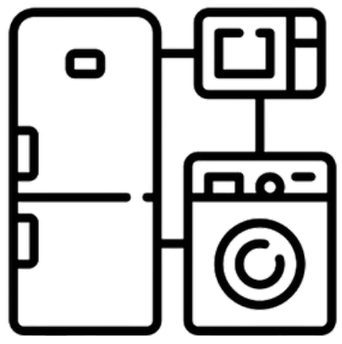
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FIND THE FOOTPRINT!

WHAT IS THE CARBON FOOTPRINT?

Cut out the boxes and play pairs with the things that use energy (electricity) in everyday life! Light bulbs, ovens, microwaves, air conditioners, chargers, etc. are just some of them.
Remember, it's important to save energy whenever possible. Turning off lights and electronics when you're not using them, taking shorter showers, and going by bike are all great ways to help save energy!

	**going by car**		**going by plane**
	**shopping**		**live streaming**
	**turning on the lights**		**using electronics**
	heating your home		**using hot water**

Icons: www.flaticon.com (by Freepik) / Author: Petra Szucsich

FIND THE FOOTPRINT!

WHAT IS THE CARBON FOOTPRINT?

When you use energy or electricity, it emits greenhouse gases such as carbon dioxide (CO2). In this way, we leave a "**carbon footprint**" on our environment. The carbon footprint **is a number** that tells you how much carbon dioxide is produced by your activities, such as live streaming, charging your phone, flying or using electricity. You can also use the free energy use calculator to find out how much power your devices use.





energy use calculator

Have a discussion about what you use energy for in your home!

Which things need more energy, which less?

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Source: https://oeha.phwien.ac.at/ Author: Petra Szucsich

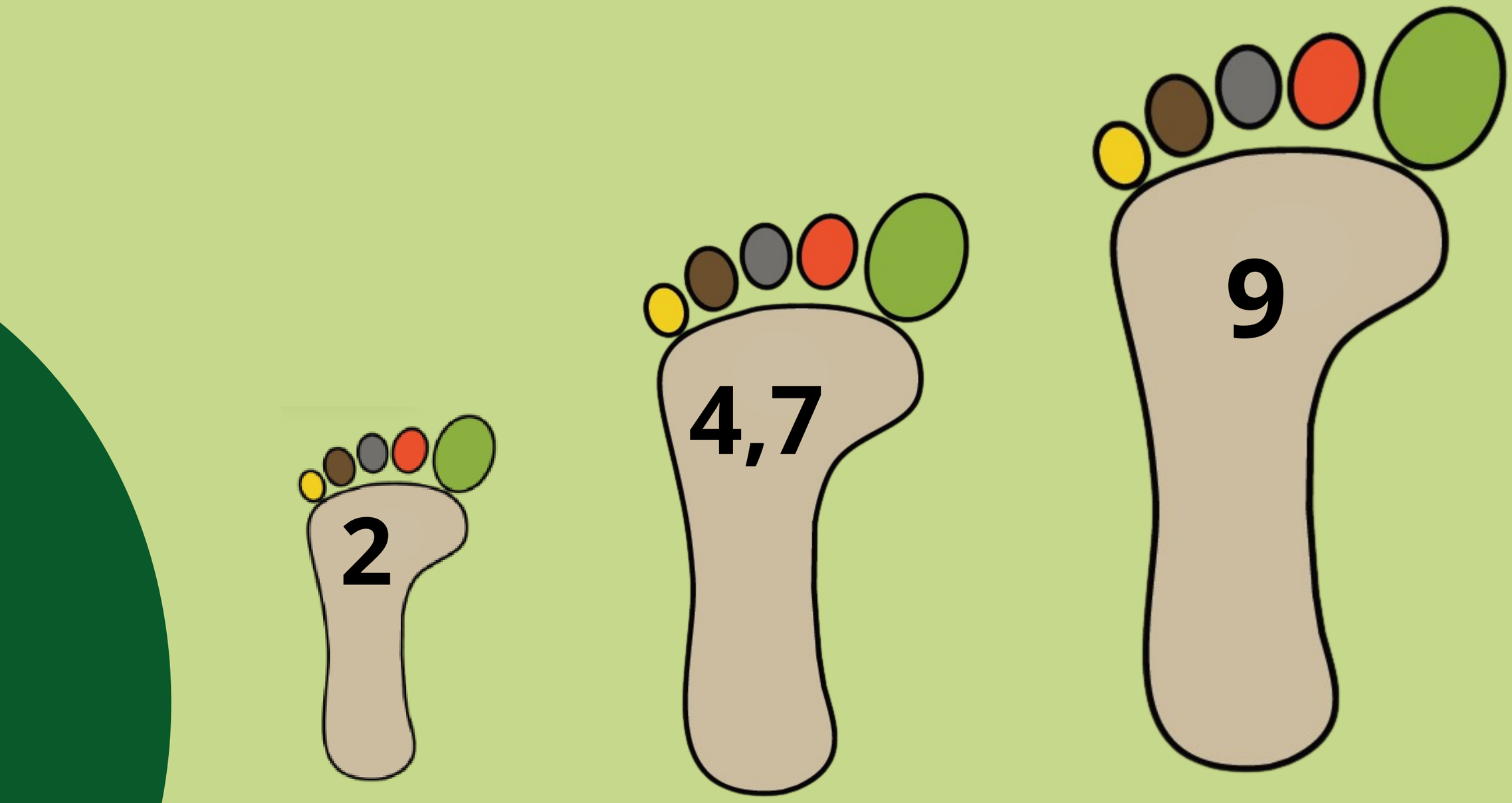
FIND THE FOOTPRINT!

WHAT IS THE CARBON FOOTPRINT?

Greenhouse gases such as carbon dioxide warm the Earth, which is a good thing because without this natural **greenhouse effect**, the Earth would be a ball of ice and life would not be possible. The problem is that we produce **too many of these gases**. As a result, the Earth is getting warmer and warmer.

This is called **climate change.**

The ideal **carbon footprint**, which is the amount that a person is allowed to produce, is **2 tons** of carbon dioxide per year. This would not increase the greenhouse effect. Unfortunately, the actual carbon footprint per person, for example, in Austria or Germany, is more than four times higher!
Each of us produces about **9 tons** of carbon dioxide.



ideal footprint
2 tons of carbon dioxide a year

average footprint worldwide

average footprint of a person in Austria or Germany

(Source: https://footprintmap.org/map, 2020)

Source: https://oeha.phwien.ac.at/ Author: Petra Szucsich

FIND THE FOOTPRINT!

WHAT IS THE CARBON FOOTPRINT?

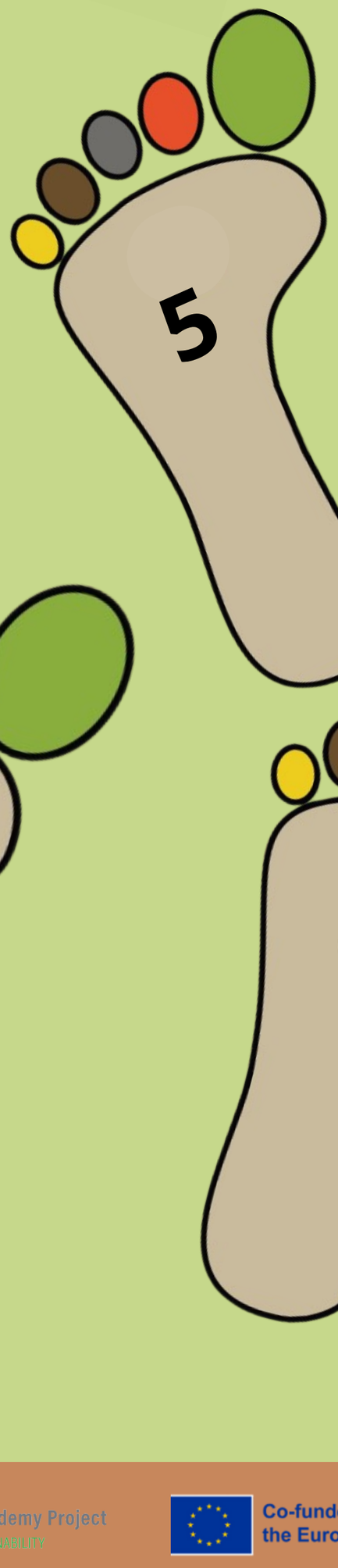
Carbon dioxide (CO_2), a greenhouse gas, has become a major concern with regard to climate change. The top five CO_2-producing nations in 2020 were **China**, the **United States**, **India**, **Russia**, and **Japan**. Now follow the link and match the countries below with their carbon footprint!

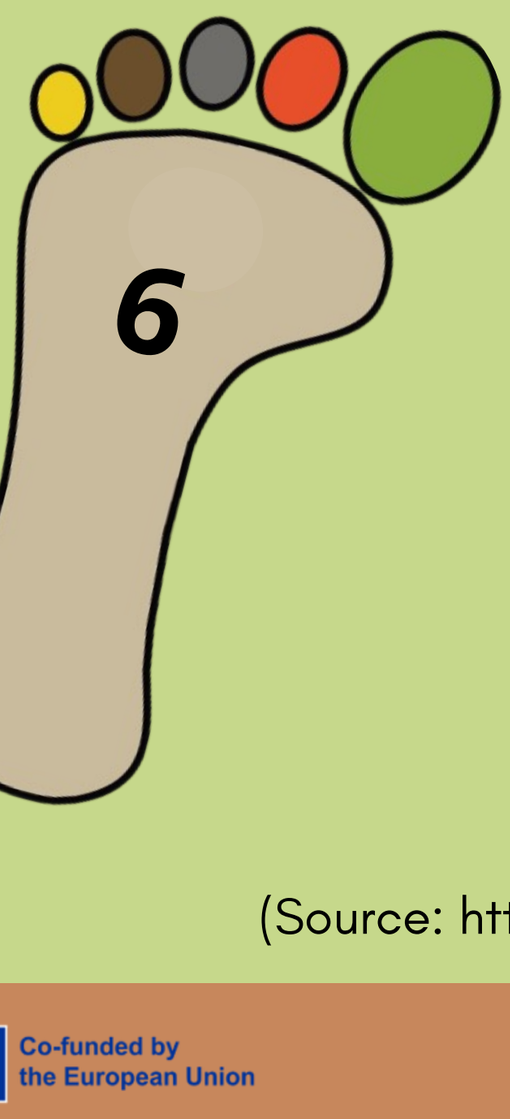
footprint map

SCAN

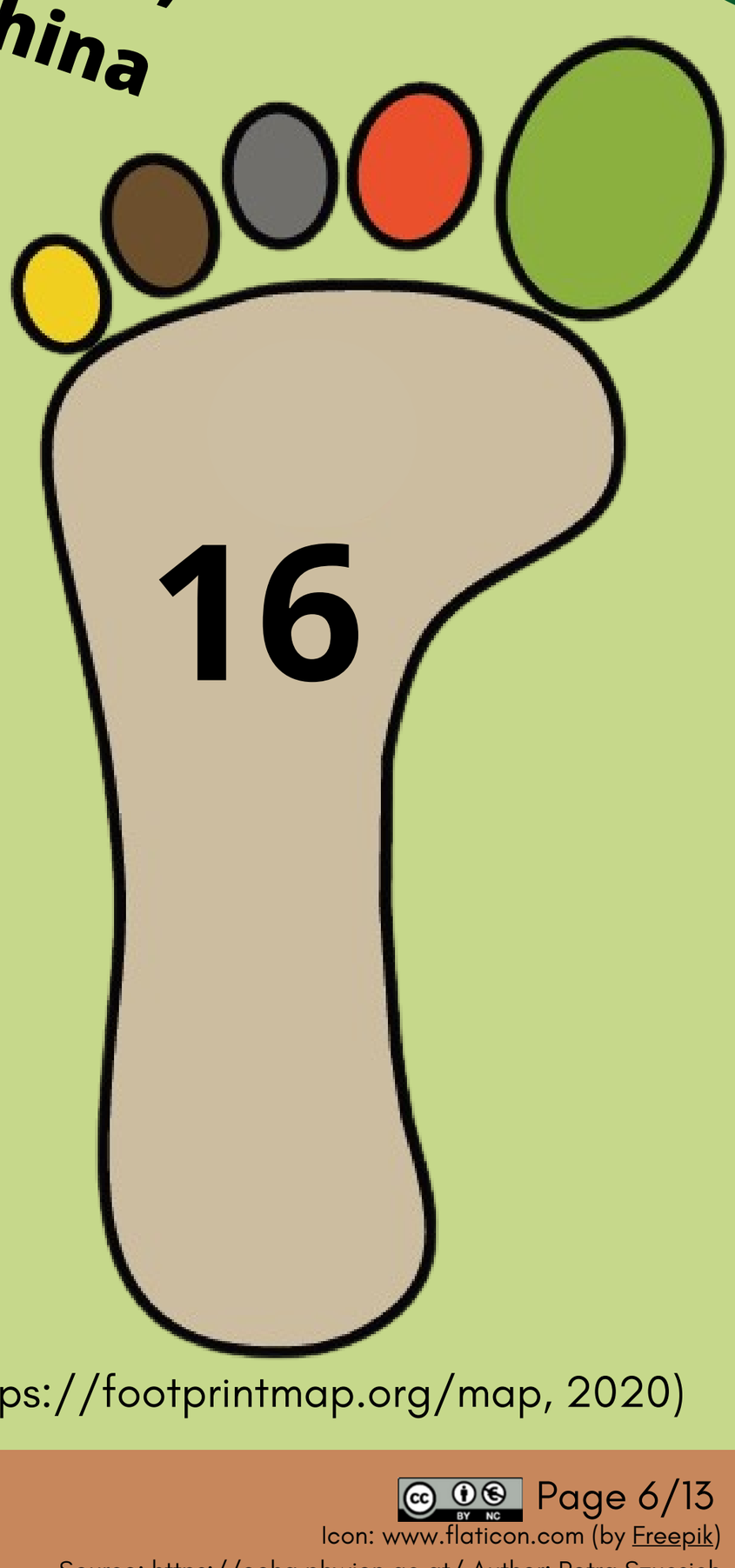








Austria, Portugal, USA, Sweden, Russia, China



(Source: https://footprintmap.org/map, 2020)

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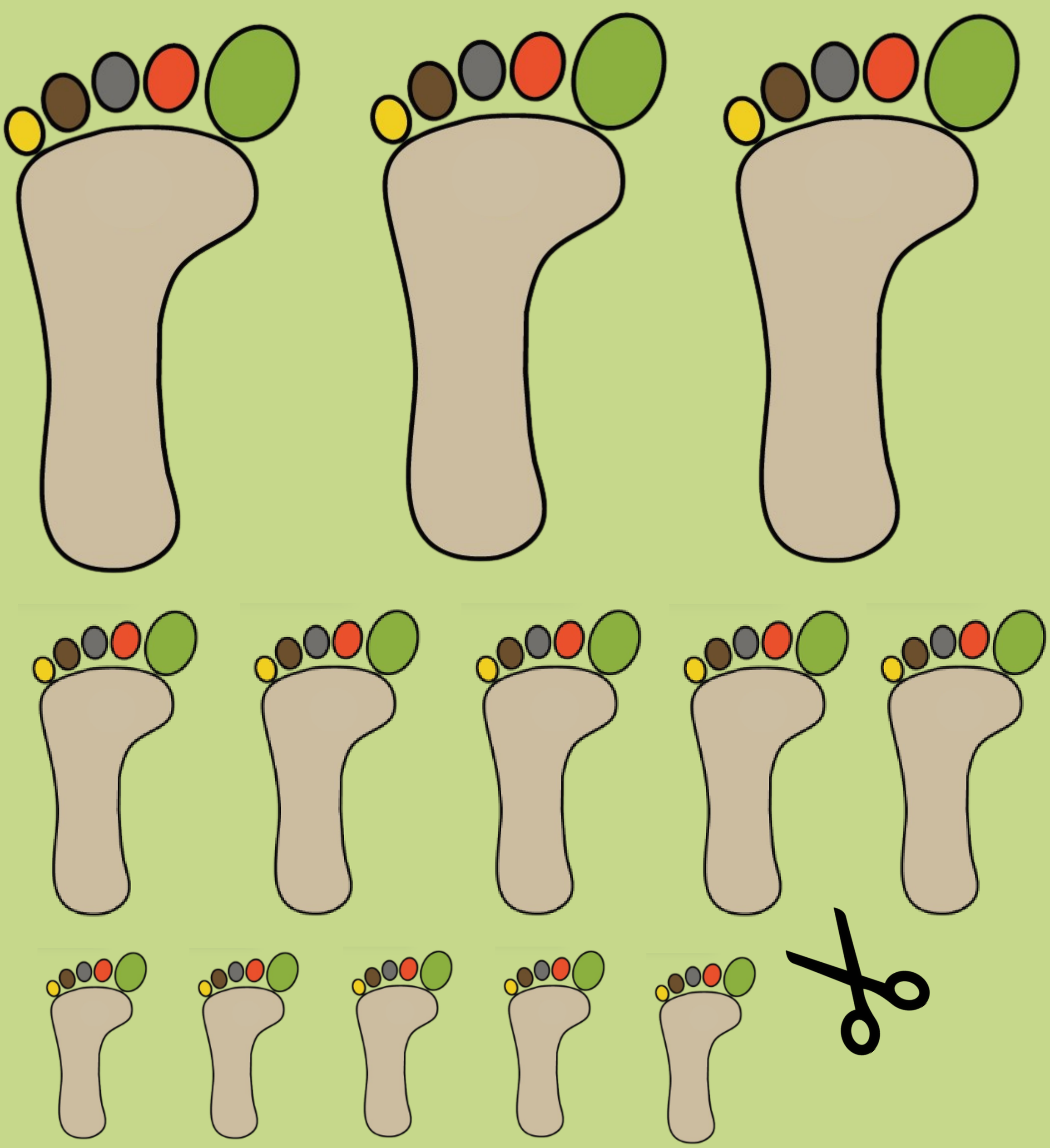
FIND THE FOOTPRINT!

WHAT IS THE CARBON FOOTPRINT?

Use the link again and find out what the footprint of different countries is. Find countries that have a very large footprint, a medium one and a small one. Write the countries and numbers on the footprints below. Then cut them out and find the countries on the map. Put the footprints on the map.
What differences do you see?



footprint
map



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Source: https://oeha.phwien.ac.at/ Author: Petra Szucsich

FIND THE FOOTPRINT!

WHAT IS THE CARBON FOOTPRINT?

QUESTIONS FOR DISCUSSION

- Why do some countries have such a big carbon footprint?
- What do they use so much energy for?
- Which countries and continents do not need a lot of energy?
- Can you find these countries on the map?
- How can you minimize your individual carbon footprint?



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Source: https://oeha.phwien.ac.at/ Author: Petra Szucsich

FIND THE FOOTPRINT!

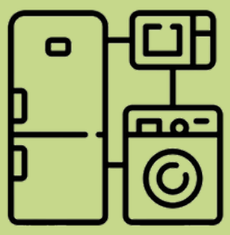
WHAT IS THE CARBON FOOTPRINT?

Draw your own footprint!

Think about how you use energy in your daily life. Look at the symbols and draw them on the footprint below or draw your own footprint. You can also draw or add your own symbols.

















Icons: www.flaticon.com (by Juicy Fish and by Freepik)/ Author: Petra Szucsich

FIND THE FOOTPRINT!

HOW CAN I REDUCE MY CARBON FOOTPRINT?

Some ideas to reduce your carbon footprint

Every search query, every video streamed and every photo stored in the cloud uses electricity. Here are 11 tips on how to “travel with a smaller foot".

Which of these things do you already do? Mark them with an ❌

Which 3 tips do you find the most important? Mark them with an ❗

Turn off the tap when you are not using it. For example, when brushing teeth or washing hands.

Switch off the television and any consoles when you are not using them.

Put on a jumper and thick socks instead of turning the heating on.

Set lower video resolution for video streaming.

Download your favourite movies instead of streaming them every time.

Think carefully before buying a new device and ask yourself if you really need it.

Charge your devices only when needed!

Reduce screen brightness from 100% to 70%.

Take your bike for short distances or walk instead of going by car.

Turn off or unplug electrical items when finished with them. Some devices use energy even when they aren’t on.

Pass on old technical devices, sell or donate them.

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Author: Petra Szucsich

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FIND THE FOOTPRINT!

WHAT IS THE ECOLOGICAL HANDPRINT?

Draw your own handprint!

The ecological handprint builds on the concept of the carbon footprint. But unlike the footprint, the handprint focuses on understanding how individuals and communities can take action to make a positive difference to our planet. Think about what you can do and draw or write your positive contributions into your handprint!



Have a discussion about what you could do to make a change!

climate handprint

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FIND THE FOOTPRINT! (KEY)

WHAT DO YOU KNOW ABOUT OUR CONTINENTS? (KEY FOR PAGE 2 / 13)

For Teachers

KEY - Discover our continents!

TASK 1: Which continents are there? Put the words in the correct order**!**

1. Aicraf _____**Africa**_____
2. Acatnacirt _____**Antarctica**_____
3. Aais _____**Asia**_____
4. Euorpe ___**Europe**_____
5. Nhtor Aamrice _____**North America**_____
6. Aaliasutr _____**Australia**_____
7. Sutho Aecrima _____**South America**_____



TASK 2: Read some interesting facts and fill in the names of the continents!

Did you know that our big, round Earth is divided into seven giant pieces called ____**continents**____?

Each one is like a unique puzzle piece that fits together to make our planet wonderful and special.

1. Imagine going on a safari in ____**Africa**____! It's the land of amazing animals like elephants, lions, and giraffes. It is the second largest continent.

2. Way down at the bottom of the Earth is ____**Antarctica**____, covered in ice and surrounded by a chilly ocean. Animals like penguins and seals live there.

3. ____**Asia**____ is the largest continent and home to countries like China, India, and Japan.

4. ____**Europe**____is a place full of history, different languages, and delicious foods.

5. ____**North America**____ is the continent that includes the United States, Canada, and Mexico. It's a land of diverse landscapes, from snowy mountains to sunny beaches.

6. ____**Australia**____ is home to kangaroos, koalas, and the Great Barrier Reef, the largest coral reef in the world.

7. ____**South America**____ is known for its lively music and dances like samba. It's also where you can find the Amazon Rainforest, a jungle full of unique plants and animals.

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FIND THE FOOTPRINT! (KEY)

WHAT IS THE CARBON FOOTPRINT? (KEY FOR PAGE 6 / 13)

For Teachers

Follow the link (QR(and match the countries below with their carbon footprint!

footprint map

KEY











(Source: https://footprintmap.org/map, 2020)

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