

Carbon Footprints



Emit: to release/give off

- **Greenhouse gases get emitted by our actions!**

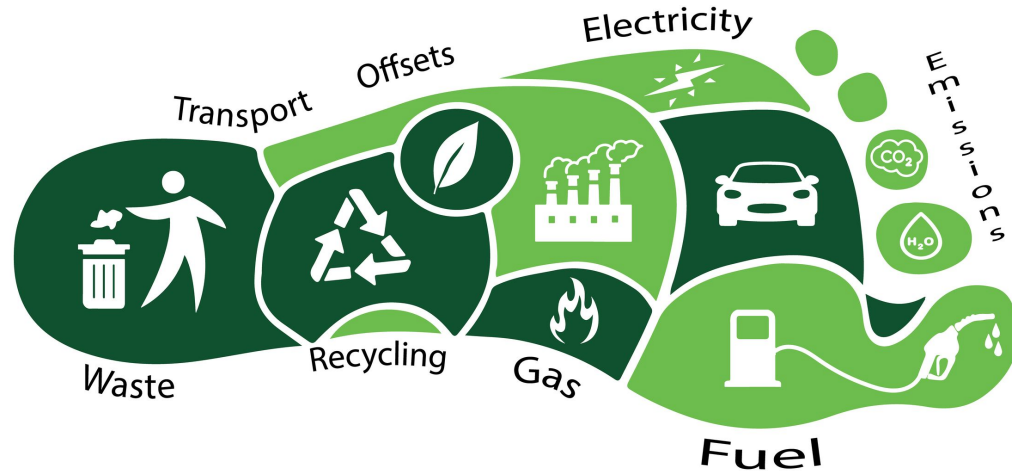


**What activities
emit greenhouse
gases?**



What is a carbon footprint?

All the activities we do in our lives that release carbon into the air, one of the greenhouse gases we learned about!



Carbon Footprint



Carbon emitted from produce!

Tomato from the Garden	Tomato from the Grocery Store

Carbon emitted from produce!



Tomato from the Garden

1. **Car ride** to the store to get the tomato seeds

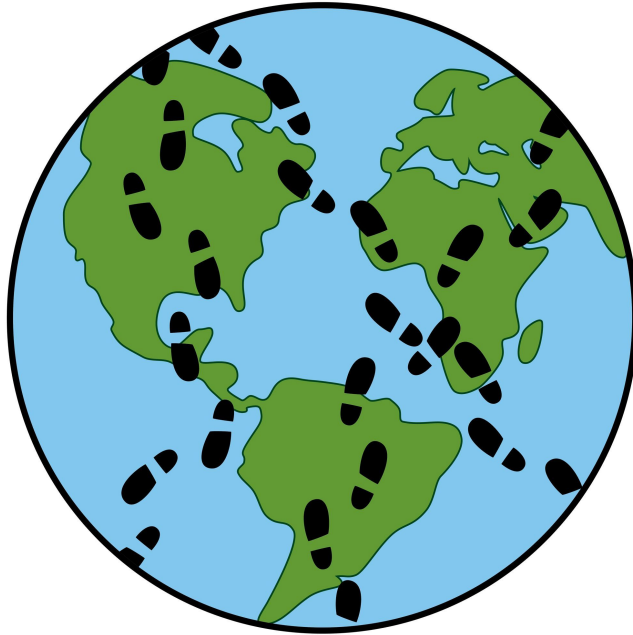


Tomato from the Store

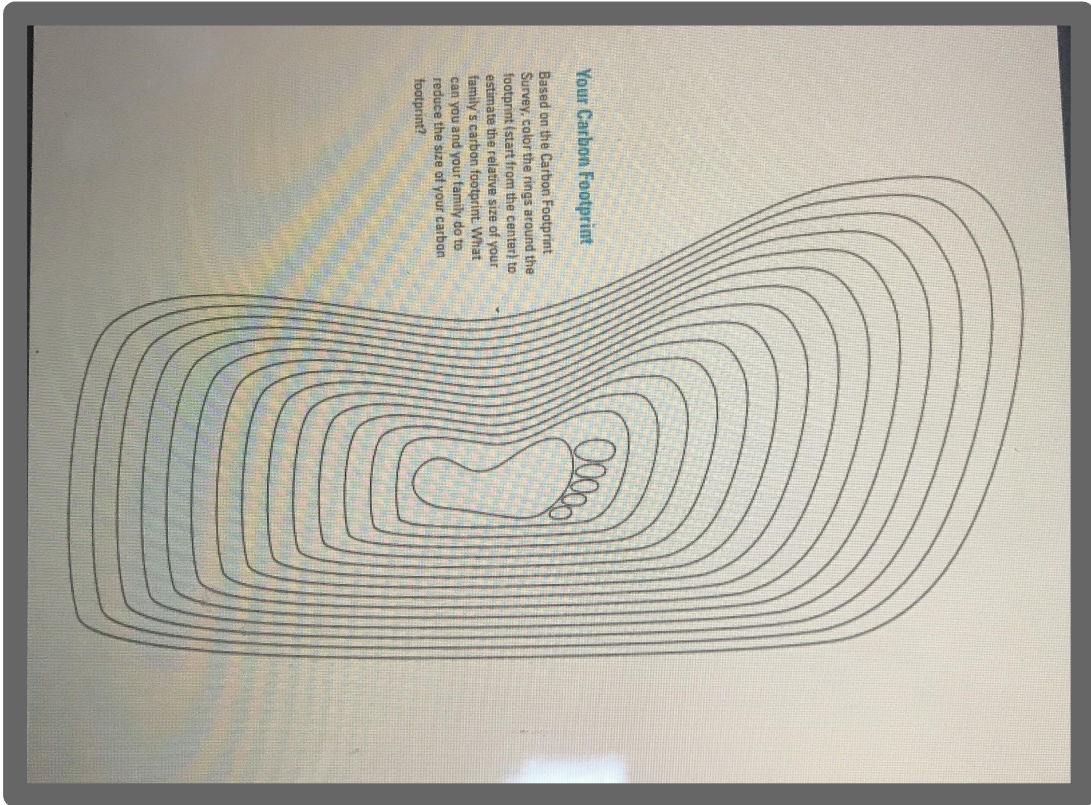
1. **Tractors** to till the land and harvest the tomato
2. **Energy** to refrigerate the tomato to keep it fresh
3. **Gas** to transport tomato from the farm to the store
4. **Energy** at the store to keep the tomato fresh
5. **Car ride** to the store to buy the tomato



Everyone has a carbon footprint. Why do you think it is called a footprint?



Let's calculate our carbon footprints!



Transportation

- For every small car in your family, color 1 ring BLUE.
- For every medium or large car in your family, color 2 rings BLUE.
- If you take the bus, color $\frac{1}{2}$ ring BLUE
- For every airplane trip you've taken in the past year, color 1 more ring BLUE.



Personal Habits

- If you are a vegetarian, color 1 ring GREEN;
- If you are not a vegetarian, color 2 rings GREEN.
- If you eat organic food, color 0 rings green. never eat organic food, color 1 ring GREEN.
- If you take baths, run the faucet while brushing your teeth or washing dishes, or water your lawn several times a week, color 1 ring GREEN.



Recycling and Waste

- If you usually recycle your household trash, color 1 ring BROWN; if you never recycle, color 2 rings BROWN.
- If you never compost your yard and kitchen waste, color 1 more ring BROWN.



Compare footprints with your table!

1. Who's was the biggest? The smallest?
2. Why do you think someone's was bigger or smaller?
3. What are some ways to make yours smaller?

Time to reduce our footprints!!



Examples of ways to reduce your carbon footprint!

Clothing



Food



Energy



Each table group brainstorms how to reduce their scenario's footprint:

1. Going to the beach with their family
2. having a picnic with some friends
3. grocery shopping with your parents
4. spending a whole day at home
5. playing video games
6. Cooking in the kitchen

How can we make our classroom have a smaller footprint?

1.

2.

3.

4.

5.

How can we make the (insert school event) have a smaller footprint?

- 1.
- 2.
- 3.
- 4.
- 5.