



### Climate Change

1. What is the difference between weather and climate?

- Weather is about wind, rain, and sun. Climate is just about the sun.
- Weather doesn't change, but there is climate change.
- Weather is what happens each day. Climate is the average weather over a longer period.

2. The greenhouse effect is when certain types of gases trap the sun's energy and make the earth warmer. Without the greenhouse effect:

- We couldn't grow tomatoes in winter.
- The climate would never change.
- The earth would be 33 degrees colder, and we couldn't live on the planet.



3. What was the Industrial Revolution, and how did it change the greenhouse effect? (Look at the pictures for clues...)

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4. Why is it a big problem if the climate gets hotter? Check all that apply.

- Some animals and plants won't be able to survive.
- Solar power plants won't work.
- Sea levels will drop.
- Bushfires, droughts, floods, and heatwaves will increase.

**Greta Thunberg** is a Swedish climate activist. At the age of 15, in 2018, she was so worried about climate change that she started skipping school to protest outside Parliament. Her personal "School Strike for Climate" soon turned into a movement involving millions of schoolchildren all over the world. Greta famously said "how dare you" to world leaders at the United Nation's COP conference in 2019, and has been nominated for a Nobel Peace Prize three times. She was *Time* magazine's Person of the Year and on *Forbes* magazine's list of the 100 Most Powerful Women in the World.



European Parliament

4. What kind of person do you think Greta is? Why do you say that?

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5. If you got a chance to interview Greta, what would you ask her? Think of at least two good questions.

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6. What can kids do to help reduce greenhouse gas emissions? List at least three.

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