

THE GREENHOUSE EFFECT



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Match the words with the pictures



tsunami

drought

scientist

heat

oxygen

glacier

flood



carbon dioxide

greenhouse

hurricane

rainforest

sunlight

tsunami

drought

scientist

heat

oxygen



glacier



flood

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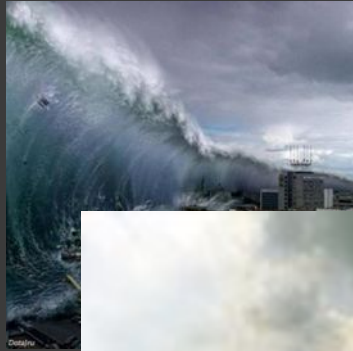
rainforest

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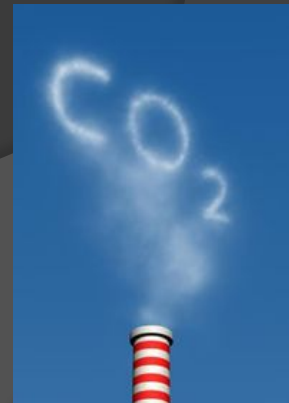
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Well Done !

carbon dioxide



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rainforest



sunlight



greenhouse



Do you remember
the words?



What is the greenhouse effect?

- A building with glass walls and roof where plants grow.
- The problem of a rise in temperature in the Earth's atmosphere
- The problem of temperature reduce in the Earth's atmosphere

Read the text and answer the questions:

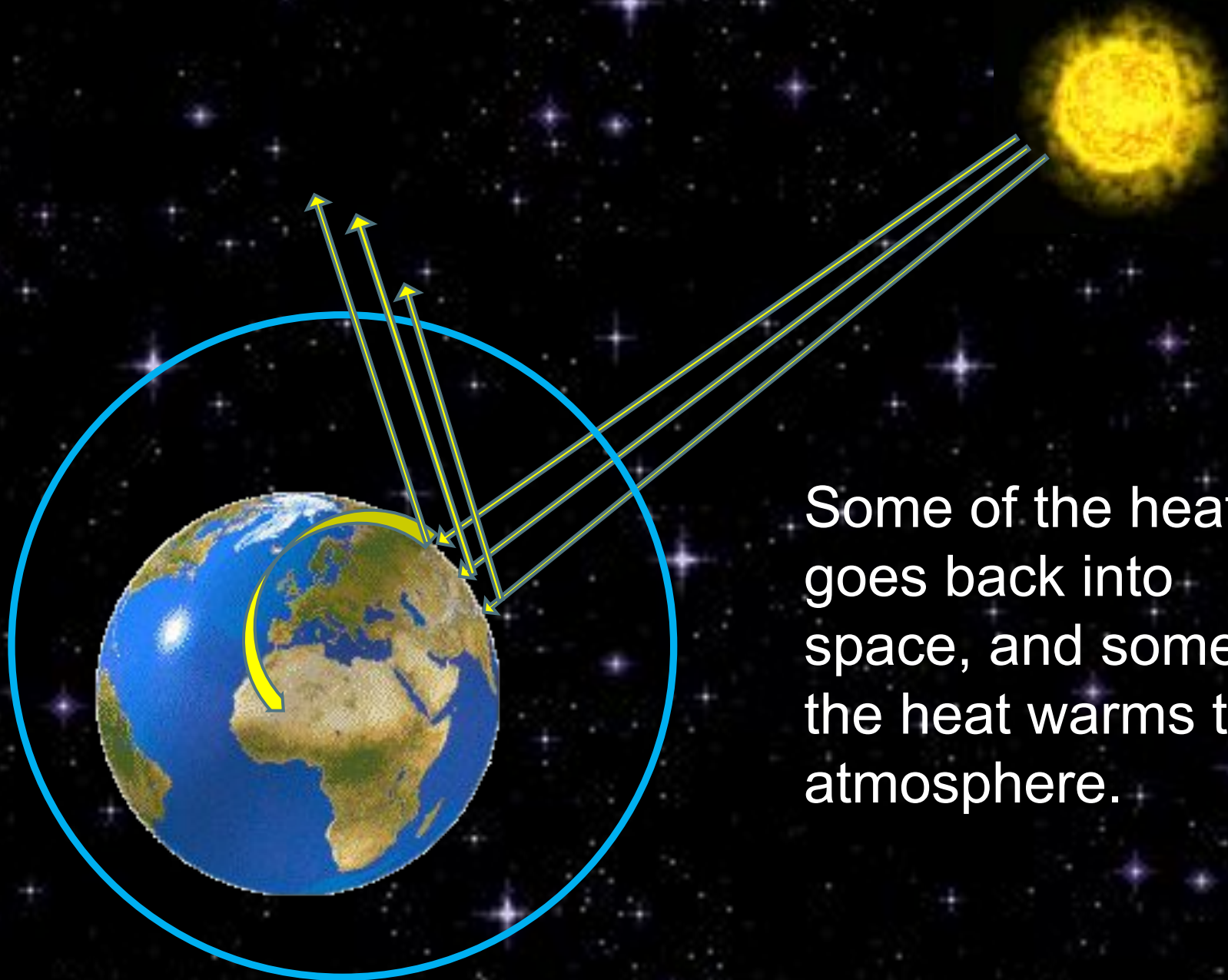
- ⦿ What is climate?
- ⦿ Is the climate always the same in this or that part of the world? Does it change?
- ⦿ What do you know about the greenhouse effect?
- ⦿ Why doesn't all the heat go back into space? Why does the atmosphere become warmer?
- ⦿ How can the greenhouse effect influence the climate in future?
- ⦿ Do you think our planet needs protection? Why?

**How does
the greenhouse effect
work?**

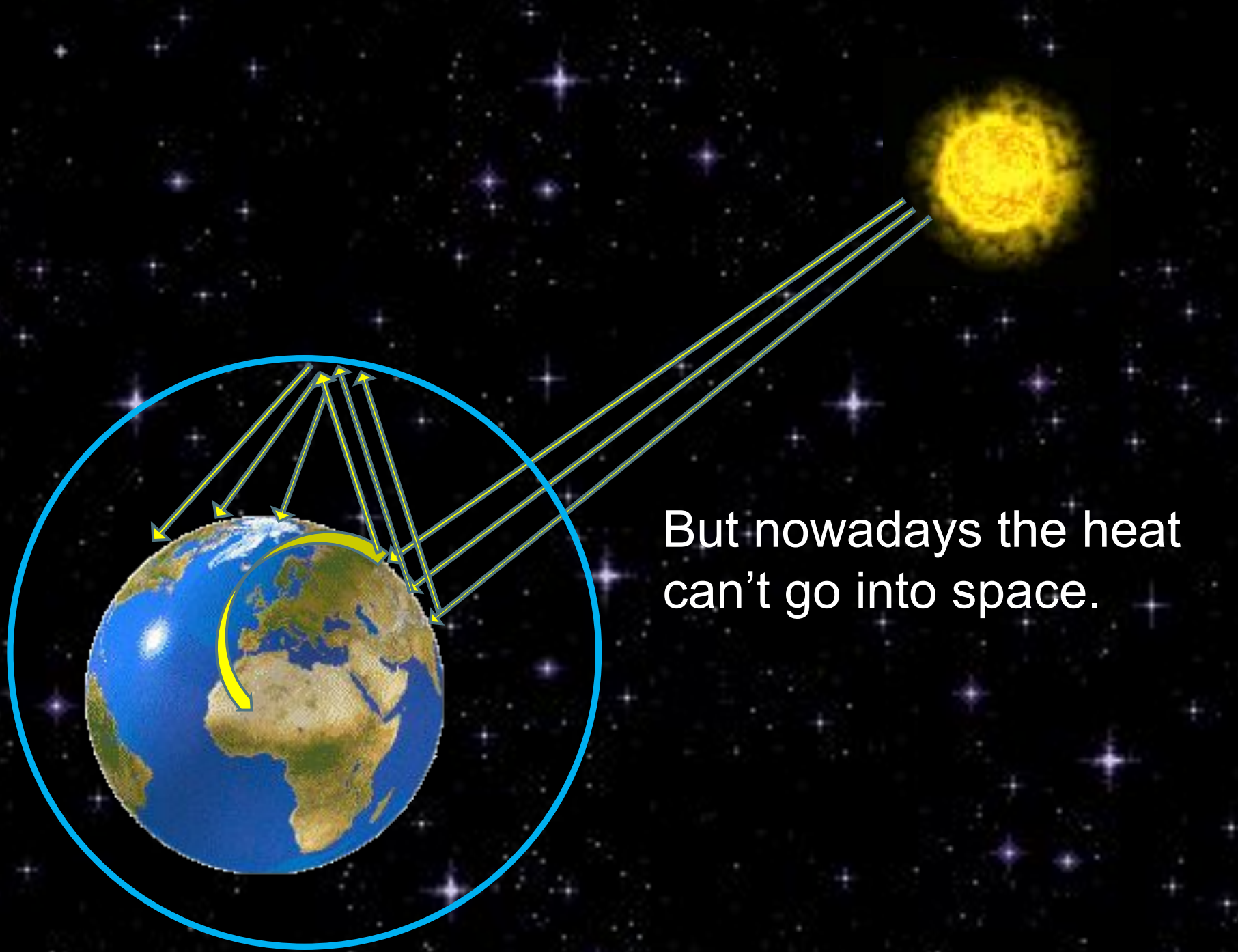


The Sun gives us heat.

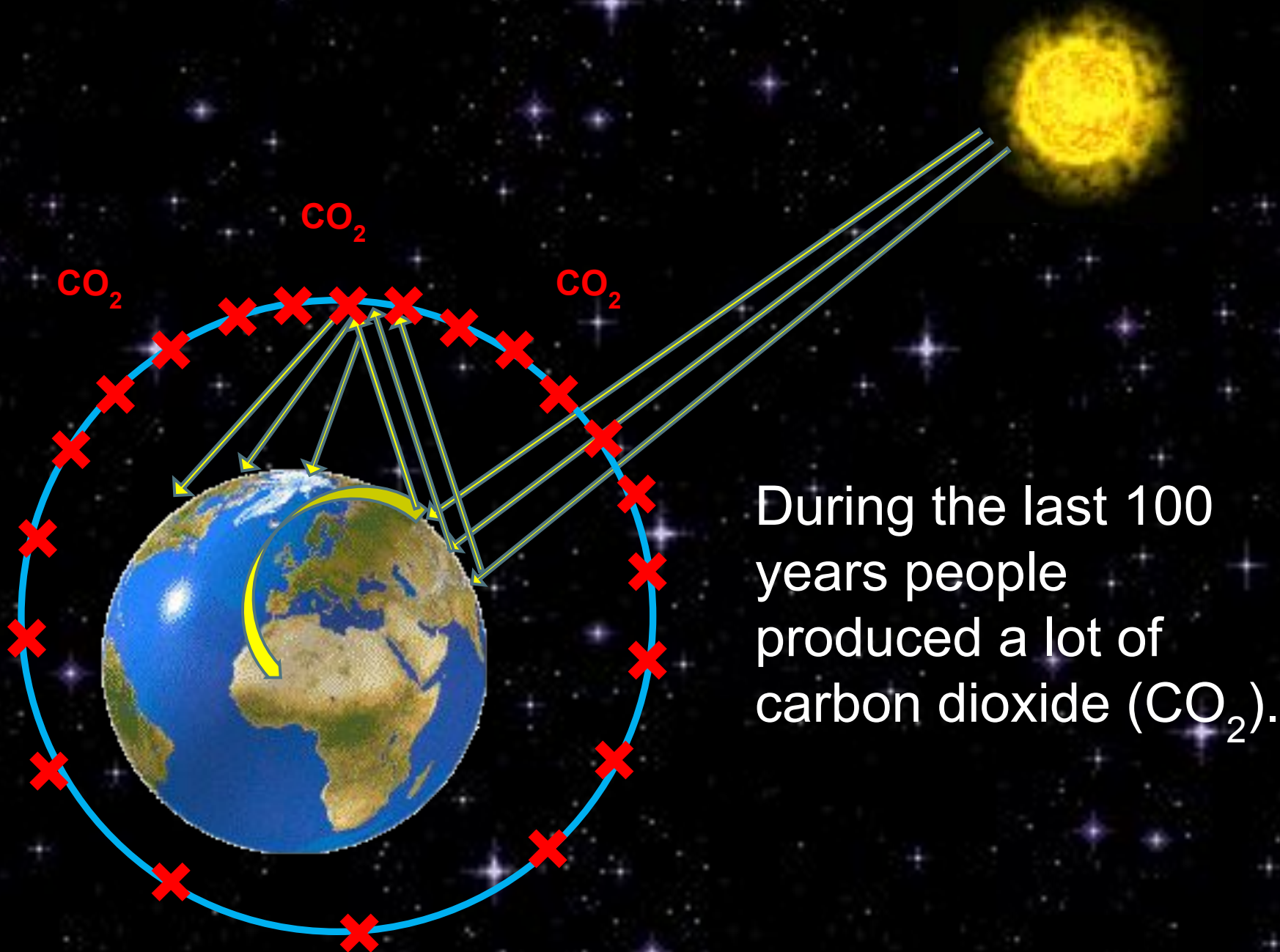




Some of the heat goes back into space, and some of the heat warms the atmosphere.

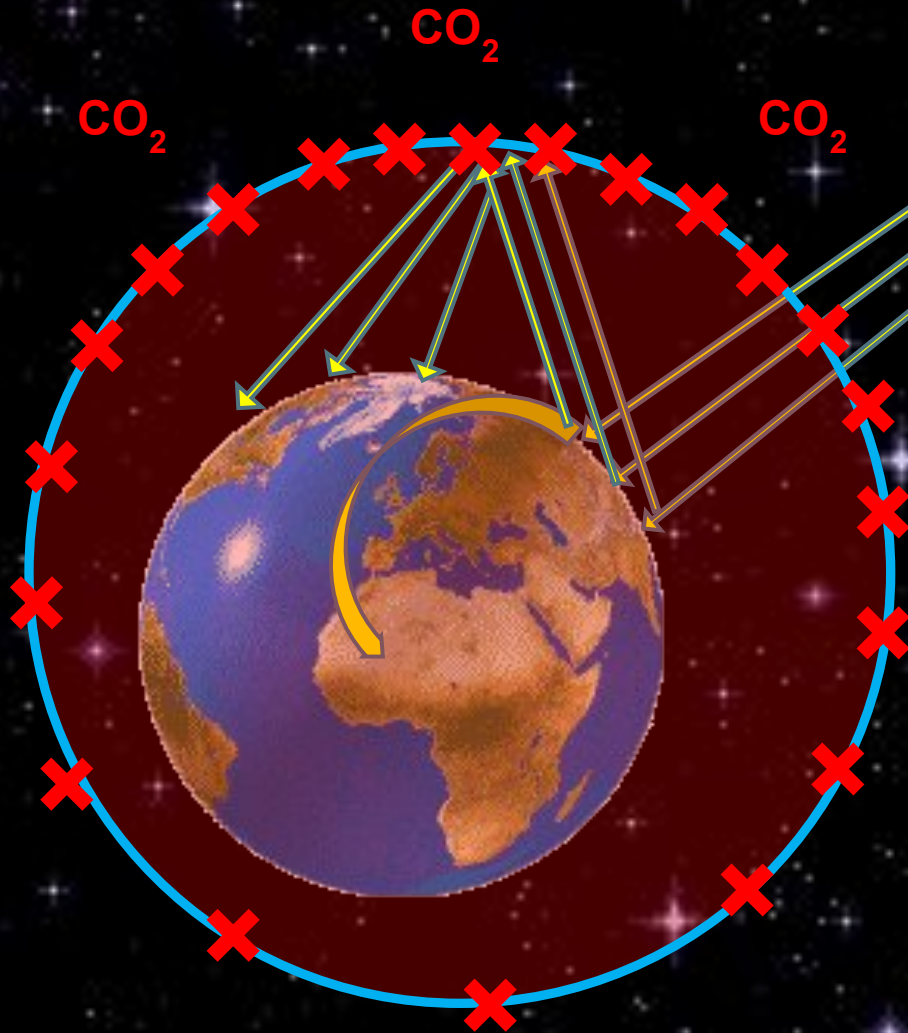


But nowadays the heat
can't go into space.



During the last 100 years people produced a lot of carbon dioxide (CO_2).

This gas in the atmosphere works like glass in a greenhouse. It lets the heat get in, but it does not let the heat get out.



So the atmosphere becomes warmer.

Where does the carbon dioxide come from?



People and animals breathe
in oxygen and breathe out
carbon dioxide.



We also produce carbon dioxide when we burn things.



**Trees take this gas from the air
and produce oxygen.**

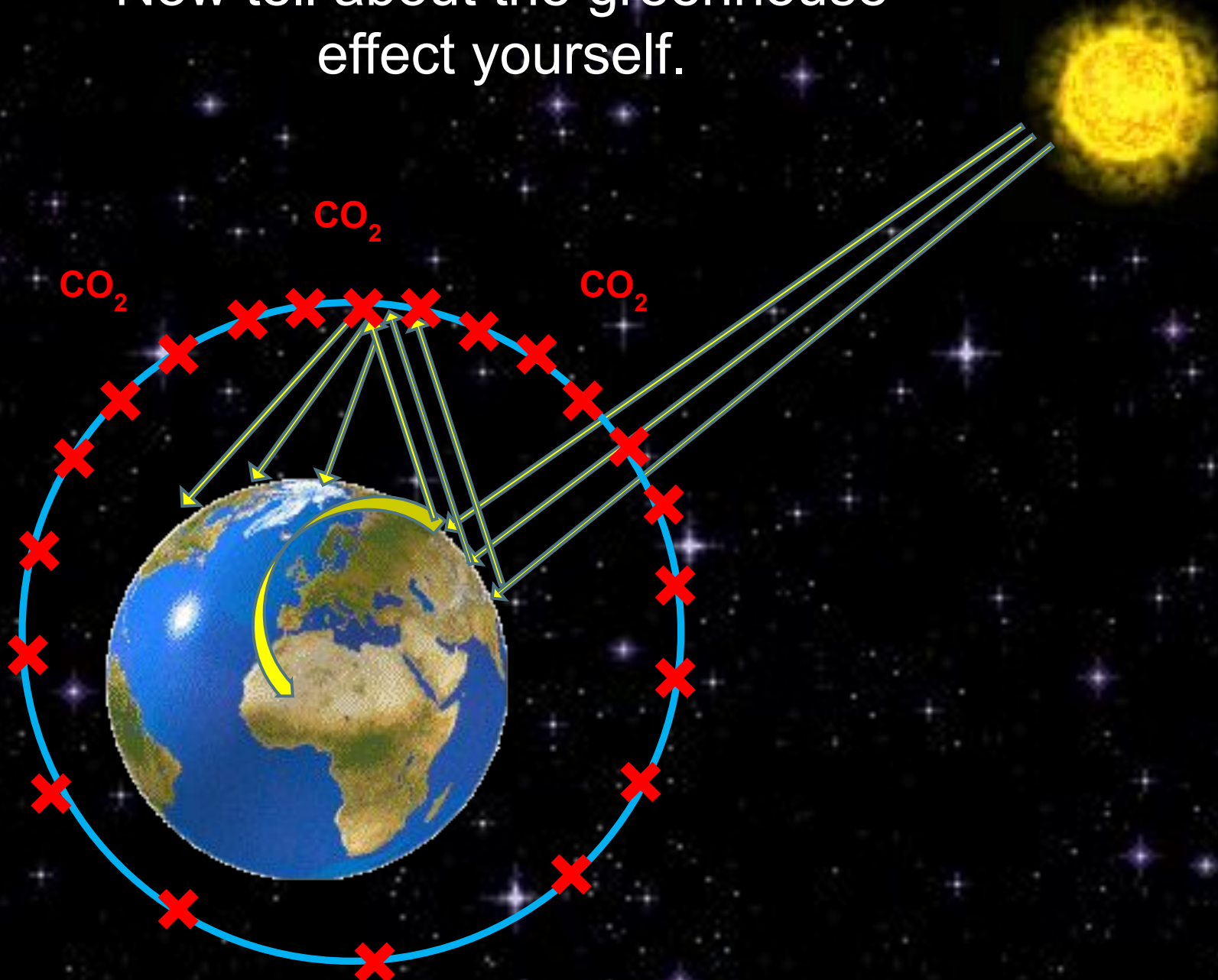




But in the last few years, people cut down and burnt big areas of rainforests. This means there are fewer trees and more carbon dioxide!

CO₂

Now tell about the greenhouse effect yourself.



Watch the video and answer the questions:

- When was the greenhouse effect discovered?
- What would the Earth be without the greenhouse effect?
- How many gases form the greenhouse effect?
- What can we compare the greenhouse effect with?



Watch a video, discuss a problem and create a poster



Excellent!



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