



# How does global warming lead to a rising sea level?

## Required materials

- a transparent glass container
- play dough (or rocks)
- ice cubes
- a glass with water
- a permanent marker
- a ruler
- a stopwatch
- a notebook and a pencil
- small branches (e.g. rosemary) to symbolise trees and wooden cubes or cork stoppers to symbolise houses

## 1. Questions before performing the experiment

1. What is global warming?

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2. How does global warming affect the Earth's climate?

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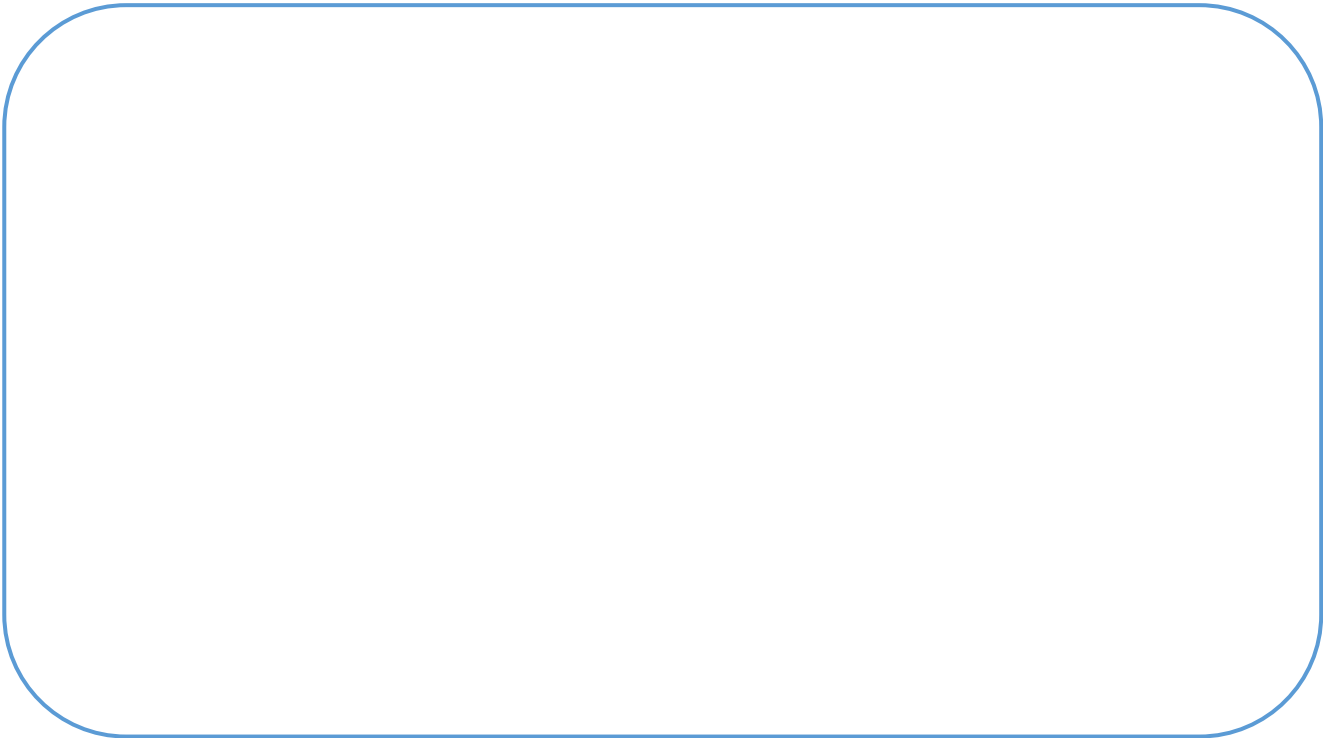
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## 2. Watch the first video and perform the experiment

Follow the steps outlined in the tutorial video.

Draw a diagram of your experiment in the box on the next page.





### 3. Record your measurements

Fill the table.

| Time (min) | Water level (mm) |
|------------|------------------|
|            |                  |
|            |                  |
|            |                  |
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## 4. Observations

Describe what happened during the experiment.

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## 5. Reflect and discuss

1. Why is it important to understand the impact of global warming on the sea level?

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2. What ways do you know to reduce global warming and its effects on the environment?

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