

		
	<p style="text-align: center;"><b>CHANGING FOR CLIMATE CHANGES</b></p>	

## Experiment 1: Rising sea levels

### 1. INTRODUCTION

Because of global warming, we are getting higher temperatures. This gives consequences on land (greater droughts, melting glaciers, ...). But are there also consequences for our seas and oceans?

### 2. ORIENTATION

What is the influence of the increase of temperature on the sea level? Does it go up, down, or stay still?

### 3. PREPARATION

#### 3.1. Materials:

- 1 glass water bottle
- a small Play-Doh ball
- a straw
- a glass bowl
- a jug of hot water

#### 3.2. Method:

- Fill the bottle with water

- Place a small ball of Play-Doh on the end of the bottle and attach the straw.
- Place the bottle in the bowl into which the boiling water will be poured little by little
- Pay attention to the behaviour of the water at each step and describe what happens

#### 4. RESULTS

**Observations:**

Has the water level changed in any way?

The water level has risen.

#### 5. REFLECTION

Can you make the connection between this experiment and the effect of greenhouse gases on the ocean? Because of global warming, we are getting higher temperatures. The water in the oceans gets also warmer. And warmer water has a bigger volume so the sea level is risen.

#### 6. e-book

Take several pictures during the experiment. You can also film it.