

		
	CHANGING FOR CLIMATE CHANGES	

Experiment 3: Air quality.

1. ORIENTATION

What is the amount of pollution in the air? Check it in different locations (e.g. in the countryside and city center)

2. PREPARATION

2.1. Materials:

- 2 white cards
- vaseline
- a pen
- adhesive tape
- microscope (in the laboratory)

2.2. Method:

- Spread a little Vaseline on the lower half of one side of each card and write a number on the upper half, identifying the locations
- use adhesive tape to affix the card, which will act as a mobile laboratory, to each detection you have identified (the trunk of a tree in the park, the railing of your balcony, the pole supporting the traffic light, etc.).
- After a week, take the cards and we will analyse them in the laboratory

3. RESULTS

Observations:

What was the amount of debris on each piece pf paper? What does that mean? We hung a piece of paper that was smeared with petroleum jelly on one of the garage walls. We noticed that on the 3rd day of the experiment, we began to see dust that was floating in the air, and then deposited on the sheet of paper. in the following days, various types of dust and dirt were more and more of them on the sheet, which means that the air in the garage is unclean and not healthy for the human body.

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4. REFLECTION

Can you make the connection between this experiment and the effect of pollution in the air? This is how we can connect the experiment: because the air in the city center is polluted with car exhaust fumes and smoke from chimneys from various types of industrial factories. We do not see the pollution in the air, but then feel its effects in our body. through these pollutants, we get various diseases, which are usually caused by the air, which is polluted with various substances that are unhealthy for the body, which we unknowingly inhale.

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5. e-book

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