

Example 1

Group of Deniz

1. -What is the effect of industry density on the amount of fine particulates in the atmosphere? (10p)

- The industry uses a lot of fossil fuels for different kinds of processes they do. Research has stated that the burning of fossil fuels releases fine particulates in the atmosphere. Therefore , an increase in industry density will result in an increase of the amount of fine particulates in the atmosphere.

- We will do this by measuring the amount of near the centers of Nysa, Buzet and Rotterdam. We will compare this to the amount of polluting industries in the cities and see if there is a causal correlation.

- Exactly:
 1. Go to city centre.
 2. Face the sun and use the sunphotometer.
 3. 7:30 AM, 1PM, 7PM
- (Sunphoto meter)

2. -What is the effect of fishing on the amount of plants in rivers? (8p)

-Fishes mostly eat waterplants and we eat fish. This results in an imbalance in the ecosystem of rivers there is a too little amount of fish to eat the amount of plants necessary to keep balance in the ecosystem) This way, fishing decreases the amount of fish in rivers, which results in an increase of the amount of waterplants in rivers.

Example 2

Floor, Ola and Kristina

RESEARCH QUESTIONS:

1. What is the influence of the position along different parts of the river on water pollution
2. What is the influence of water pollution on living organisms (plants/fish)

THESIS STATEMENT

1. We expect that the water will be less polluted at the source and as it goes to its mouth, it will become more polluted. This is because the water at the mouth, it has been through a lot. For example, it might have gone past factories that throw their waste in the water, which will result in a more polluted river.
2. We expect that due to the water pollution a lot of organisms, that previously lived there, will die and that only the adapted organisms will survive, due to the change in living conditions.

RESEARCH

1.
 - Take samples of water (at different locations / different parts of river) and look at oxygen level, PH, temperature, conductivity, etc. → this will give us a good indication on the quality of water. For example, a higher oxygen level means that the water is of better quality
 - Compare and contrast
2.
 - Take samples of the water (how polluted the water is) and living organisms (which tells us how many and what species there are) → the samples will give us an overview of what it's like right now
 - Look at the history of the water → tells us what it used to be like
 - Compare and contrast

What the species indicate → certain species can only live in good quality waters

MATERIALS

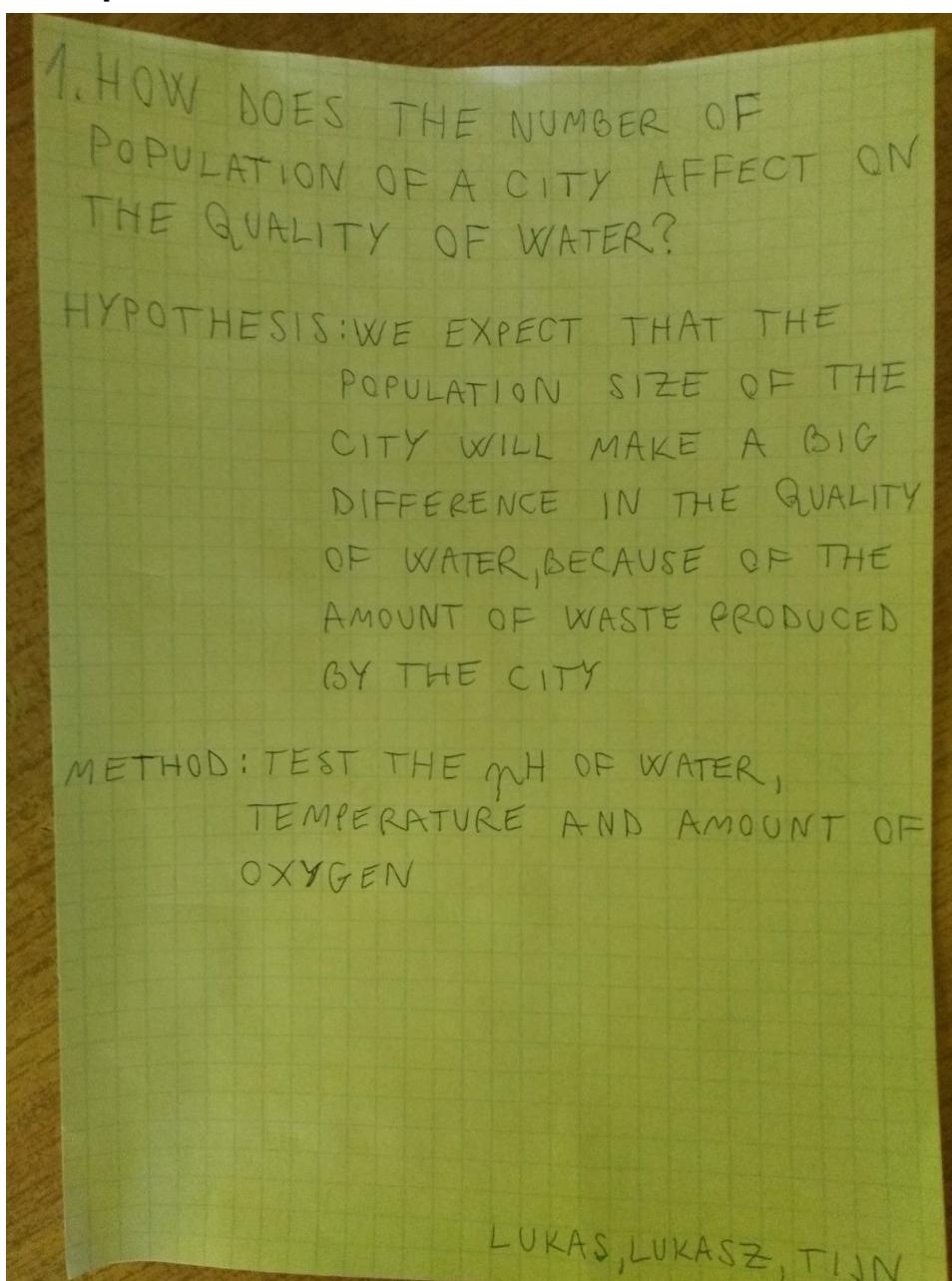
1

- PH paper
- Oxygen indicator
- Thermometer
- NO₂, oxygen, PO₄, NH₃ -indicators
- Multimeter (conductivity of water)

2

- Net / fishing rod (to catch organisms)
- Jars
- Depth sounder
- Oxygen, NO₂, NO₃, PO₄, NH₃ -indicators
- PH paper
- Thermometer
- Something to check species found

Example 3



Example 4

Question:

How is garbage disposed of and how does it effect the immediate environment?

Hypothesis:

We assume that in ~~the~~ Buzet we will for few years have natural pollution because of our high prices of our garbage disposed.

We assume that in Nysa there isn't natural pollution, because we haven't got high prices and we must recycle everything.

We assume that in Rotterdam there isn't a natural pollution, because there are recycling and we have a option with recycle cars and other

Methods :

- We can look up to news articles
- Do some Internet research about garbage disposal in our cities
- Analyzing the soil and then we can compare everything.

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Example 5

Anissa, Isabela and Ana

- What is the impact of recycling on the cities?
- How does the amount of industry affect air quality?

Hypothesis: people in the city would be more attracted to the environment and more aware for the environment, because they use their knowledge to do something good for the environment.

1) more industry = more trash, the people will get sicker ill, the animals & plants will die.
It is just destroy the whole city. Because same as the hypothesis. The thing that destroy the city from industry is the gas (CO_2), ~~poisons~~ poisonous gases.

Methods:

- 1) :
 - Ankelets
 - sociale media
 - interviews
 - our society
- 2) :
 - check the number
 - check the statistics
 - different kind of factories
 - economic polity of the state

Example 6

Q: How does pollution effect the pH of the river?

H: If the pollution is higher the pH of the river will be lower because of the ~~gases~~ gases of the cars and the companies (acid rain) and because of the trash that people throw that contains acid. The acid will destroy all living things in the river.

M:

- pH paper
- color chart
- internet

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