

## Trees as „air-conditioning“

You must have experienced that feeling when you entered the forest during the summer and were surprised by how pleasantly cool it is there. Trees can cool their surroundings not only by providing shade, but also by actively evaporating water.

Did you know that parks and other functional elements of urban greenery generally have a lower temperature than reinforced concrete or asphalt surfaces.

### Task No.1

In this task, you will become a climate detective. Try to find out the temperature differences in the places listed in the chart. You will need a thermometer to measure the temperature. You will see for yourself how much greenery is needed in the city :-). You can write your opinion in the notes.

Place	Temperature in °C
Asphalt parking lot in direct sunlight	
In the city park in the shadow	
On the square	
In the forest	

Notes: ...

### Task No.2

Find out what kind of greenery is on the campus of your school. Is this greenery regularly maintained?

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### Task No.3

Rate the condition of the trees near your school according to the following scale:

excellent – the trees are healthy with no signs of damage,

very good - there are rare symptoms of diseases on some trees,

good – occurrence of small hollows and a few dry branches, the stability of the tree is not disturbed and it is safe,

unsatisfactory - tree crowns drying out in the range of 1/3 to 1/2, occurrence of relatively large cavities, disturbed tree stability due to rotting of the trunk and branches,

catastrophic – more than 2/3 of the crowns have dried out, extensive rotting of the trunk and branches, the stability of the tree is significantly impaired.

Results: ....

### Task No.4

There is an important type of forest in the Morava river basin, do you know which one? Try to find out how this type of forest affects the towns and villages in its surroundings. If you don't know, help yourself with the internet :-).

The name of the type of forrest is: .....

Its importance: ....