

### The description of the model

**The model is an associative image** which shows the comparison of some notion , process or phenomenon of science or mathematics with some everyday or natural object, process or phenomenon .

**1. Theoretical basis**

- Choose a notion, process or phenomenon whose model you will form !
- Look up its definition or explanation in the course book or other source of information !

Notion , process or phenomenon	Definition or explanation
Ohm's Law	Ohm's Law states that the current through a conductor between two points is directly proportional to the potential difference ( voltage ) between the two points but inversely proportional to the resistance measured between them.

**2. and its description**

- Choose some everyday , natural or other object , process or phenomenon which , in your opinion , reflects best the scientific/mathematical notion, process or phenomenon chosen in Step 1 of the worksheet!
- Find the image of this object, process or phenomenon or draw it yourself !
- Take into account that the drawing or the image should be easily perceptible , simple and without unnecessary details which could disturb to see the main idea of the drawing or the image !
- Draw or place the image of your chosen object, process or phenomenon into the necessary column !
- Give proof where you see the associations (similarities) between the scientific/mathematical notion, process or phenomenon and the everyday or natural one! Describe your proof into the corresponding column of the table !

Description of the model	Model
The flow of the waterfall is associated with the current in a circuit and it is directly dependent on the the potential difference $V$ associated with the distance between the two ends of the waterfall.	