



543223-LLP-1-2013-1-LV-KA4- KA4MP

A.C. Class: VI Subject: Electric current Name, surname:

English Version

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

Notion , process or phenomenon	Electric current
Definition or explanation	An electric current is a flow of electric charge, moving electrons in a wire.
Model	High Pump Low pressure Electric current High Pump Low pressure Electric current High Voltage Low voltage
Description of the model	Running water flowing through underground pipes. The running water acts like the electric current running through a wire (pipes). Using a pump we can push water through a pipe around a closed circuit. Electrons in a metal can jump from atom to atom, and that way carry negative charge around the circuit. Like a fluid, they are driven by a kind of electric pressure, known as voltage , because it is measured in units known as volts , named after the Italian scientist Alessandro Volta. An electric battery produces (by a chemical process) a voltage difference V between its two ends, and therefore acts like a pump.

Versiunea în română

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

Notion, process or phenomenon	Curentul electric este un flux de sarcini electrice
priorioriori	







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