

What are transistors

- They are electronic switches,
- In transistors a small amount of current is used to control the flow of much larger current. This means that they can be used as electronic switches
- Transistors can be much smaller than mechanical switches, so they can be integrated into circuits such as logic gates

The parts of a transistor there are 3 parts

- Base = The switch that controls the flow of current. If no current is applied to the base it stops current flowing through the rest of the transistor.
- Collector = Here the current flows into the transistor through the the collector
- Emitter = Here the current flows of of the transistor

Digital systems are either on or off

Logic gate is a type of digital processor- they are made of small components like transistors and resistors.

Not Gate

Input	Output
0	1
1	0

Ocr Gateway Physics P4 P5 P6 Revision

Puja Mehta



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