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# COMPUTERS

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# Who is Thomas Watson?

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Thomas Watson was an American businessman and president of IBM.

What was his prediction about computers? Why?

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Thomas Watson predicted that the world wouldn't need more than "about five computers", because they were big and very expensive

# What is a computer?

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A Computer is an electronic machine that processes information

# What's input, output, processing, memory?

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**Input:** it is a way of getting information into your computer

**Output:** it is a way of displaying information

**Processing:** it's chewing information

**Memory:** it is storing information.

What's the meaning of CPU?

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CPU stands for Central Processing Unit. It is considered to be the brain of any device.

How does a computer work?

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Computers work by combining input, storage, processing and output.



What is a computer program?

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A computer program is a sequence of instructions.

What is the similarity and difference between a computer and a calculator?

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What makes a computer different from a calculator is that it can work all by itself. You just give it your instructions (called a program) and off it goes, performing a long and complex series of operations all by itself.

What happened in the 1970s and 1980s with computer programs?

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You had to write your own programs.

How do computer programs work today?

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There are prewritten programs like Microsoft Word and Excel.

what's the difference between hardware and software?

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he difference is that the software is intangible, for example, the programs: word, zoom, photoshop and hardware is the tangible part of a computer, for example, mouse, keyboard, printer, screen (peripherals).

## What's an operating system?

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The operating system is the core software of a computer that controls basic input, output, storage, and processing tasks

What's the meaning of BIOS?

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BIOS means Basic Input Output System

What does the BIOS do?

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It Is the link between the operating system software and the hardware.



## What's firmware?

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it's a program semi-permanently stored into one of the computer's main chips.

What did Bill Gates do with Microsoft to help operating systems?

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He created Microsoft Office, which contains the programs Word, Excel, PowerPoint and etc. Also, Bill Gates created the system operating most used called Microsoft Windows.

Why does the author say a computer looks like a city?

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He says that, because the chips from the circuit board look like buildings.

Why does the author mention colors: green, blue, red, orange?

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The author mentions green, blue, red and orange to differentiate the components inside a computer.

# What parts can you find in the power supply?

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The parts of a power supply are:

- Cooling fans.
- a transformer
- Power socket

What is the mainboard?

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The mainboard is the brain of a computer.

# How many circuit boards are there in the computer?

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There are four circuit boards: you have

- Power supply (green)
- Mainboard (blue)
- Other circuit boards (red)
- Drives (orange)

# What's a networking card?

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It's a card that connects your computer to other machines in a computer network using a system called ethernet.



What's a graphics card?

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It is the part of a computer that handles everything to do with the display.

## What's a sound card?

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The sound card is a circuit board that converts digital to analog and analog to digital information; these signals can power loudspeakers and microphones.

# What's a drive?

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A drive stores information for example: CD/DVD reader/writer.

## What are the most commercial brands of computer parts?

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The most commercial brands of computer parts are:

- **Mouse:** Logitech, Genius, Corsair
- **Keyboard:** Logitech, Corsair, Microsoft
- **CPU:** AMD, Intel
- **Graphic Card:** Nvidia, AMD, Asus, Asrock, MSI, Gigabyte
- **Power supply:** Corsair, Thermaltake, Evga
- **Display:** Samsung, LG, Asus, Aoc, Benq
- **Speakers:** Sony, JBL, Philips, Bose

## What's the meaning of USB?

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All PCs use a standard way of connecting together called USB (universal serial bus).  
USB is meant to be "plug and play".

## What's a USB hub?

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It gives you access to a whole series of USB sockets, In theory, you can have 127 different USB devices attached to one computer

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**THANKS**

