

## Computer hardware

Define the terms below

Computer hardware

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Peripheral devices

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Input

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Input devices

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Suggest any two types of computer input

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Describe a computer keyboard

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List down any three advantages of using a computer keyboard

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Give any two disadvantages of using a computer keyboard.

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Identify any three types of computer keyboards

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Write down any three standard keyboard layouts.

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Suggest any four major divisions on a computer keyboard.

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Write down five precautions for safe use of the computer keyboard.

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Identify any 15 keys on the computer keyboard and explain the function (s) of the keys stated.

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- Ctrl +Backspace .....
- Alt + Tab .....
- Ctrl +Alt +Del .....
- Ctrl + Left arrow .....
- Shift + Ins .....
- Shift + Del .....
- Ctrl + B .....
- Ctrl + E .....
- Ctrl + N .....
- Ctrl + U .....
- Ctrl + L .....
- Ctrl + R .....
- Ctrl + D .....
- Ctrl + = .....
- Ctrl +Shift + + .....
- Alt+ F4 .....
- Shift + F3 .....
- Ctrl+ J .....

Classify the following keyboard characters

A,B,C,D.....Z

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0,1,2,3,4...9

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F1,F2,F12

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Del, Insert

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Home, End, Page up, Arrow key

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Ctrl, Shift, Alt

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Define the term pointing devices.

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Describe a computer mouse

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Identify any four major tasks one can do with a computer mouse.

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List down any three types of computer mouse

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Suggest three advantages of using a computer mouse.

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Explain three disadvantages of using a computer mouse.

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Write down three precautions for safe use of a computer mouse.

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Outline four major problems that affect the proper functioning of a computer mouse.

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Suggest four solutions to the above problems.

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What is the major difference between a mouse and a trackball?

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Differentiate between a trackball and a touchpad

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Mention one advantage and two disadvantages of using a trackball.

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How is a touch screen used for computer input?

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Suggest four areas where touch screens are commonly used.

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Mention two advantages and two disadvantages of using a touch screen.

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How is a graphics tablet and stylus used for computer input?

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Give one advantage and one disadvantage of using a graphics tablet.

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What is the major function of a joystick on a computer system?

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How is a joystick used for computer input?

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Outline one advantage and one disadvantage of using a joystick.

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How do the following devices work for computer data input?

Light pen

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Pointing stick

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Scanner

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Digital video camera

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Microphone

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PC camera

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Webcam

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Remote control

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Electronic whiteboard

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Terminal

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MIDI device

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Sensor and remote sensor

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How is a digital camera used for computer data input?

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Mention three advantages and three disadvantages of using a digital camera.

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What are voice recognition systems?

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Suggest three advantages and three disadvantages of using voice recognition systems.

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What does a magnetic stripe reader do?

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Suggest one advantage and two disadvantages of using a magnetic stripe reader.

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What does MICR stand for?

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What is the use of MICR?

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Mention two advantages and two disadvantages of using MICR.

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What does OMR stand for?

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What is the use of OMR?

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Mention one advantage and one disadvantage of using OMR.

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What does OCR stand for?

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What is the use of OCR?

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Give one advantage and one disadvantage of using OCR.

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What does a bar code reader do?

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Mention three advantages and three disadvantages of using a bar code reader.

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Define the following terms

Computer output

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Computer output devices

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Suggest two forms of computer output

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For each of the above forms of output, state two devices that produce the output.

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Explain three advantages and three disadvantages of softcopy

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Mention three advantages and three disadvantages of hardcopy

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What is the function of speakers as output devices?

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Suggest one advantage and four disadvantages of using speakers.

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How does a fax work as an output device?

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Suggest four advantages and two disadvantages of using a fax.

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How does a multifunction device work as an output device?

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Give three advantages and two disadvantages of using a multifunction device.

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What is the difference between a plotter and a terminal as output devices?

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How does a multimedia projector work as an output device?

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Write down two limitations of using plotters.

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What do the abbreviations VDU/VDT stand for?

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How does a monitor work as an output device?

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What are the advantages of monitors over printers as output devices? Suggest three reasons.

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List down the two categories of monitors used on computer today

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What does TFT stand for?

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Identify three examples of flat panel display monitors.

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Write the following abbreviations in full.

CGA .....

EGA .....

VGA .....

SVGA .....

XGA .....

PIXEL .....

DPI .....

What is a monochrome monitor?

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Give two advantages of using colours on monitors

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Suggest two disadvantages of using colours on monitors

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List down four advantages and four disadvantages of display devices

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Mention two advantages and two disadvantages of high screen resolution

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Define the following terms.

Dot pitch

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Refresh rate  
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Near letter quality (NLQ)  
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Screen resolution  
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Mention three advantages and three disadvantages of CRT monitors  
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Outline three advantages and three disadvantages of flat panel display monitors  
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What is a printer?  
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State two categories of printers  
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Mention three advantages and three disadvantages of printers as output devices

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What are impact printers?

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Write down two advantages and two disadvantages of impact printers.

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What does the abbreviation PPM stand for with reference to printers?

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Write short notes on the following giving two examples, two advantages and two disadvantages for each.

Character printers

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Line printers

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How does a dot matrix printer produce its output?  
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Give three advantages and three disadvantages of dot matrix printers.  
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What is a non impact printer?  
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Write down two advantages and two disadvantages of non impact printers.  
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How does an inkjet printer produce its output?  
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Write down four advantages and four disadvantages of inkjet printers.  
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Printers come with many options and different sizes however the most differentiating factors between all printers are: state any four.

Suggest any six factors you would consider before buying a printer.

What do the following output devices produce or provide?

Motor

Pump

Buzzer

Lights/LEDs

Heaters/coolers

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