
Revision answers for Section 1

Fill in the name of the device and the device type:

1. Hard disk drive, storage device
 2. RAM, internal memory device
 3. Mouse, input device
 4. Printer, output device
 5. Keyboard, input device
 6. Solid State Disk Drive, storage device
 7. CPU, processing device
 8. Motherboard, processing device that holds the processor, memory and other components
 9. Monitor, output device
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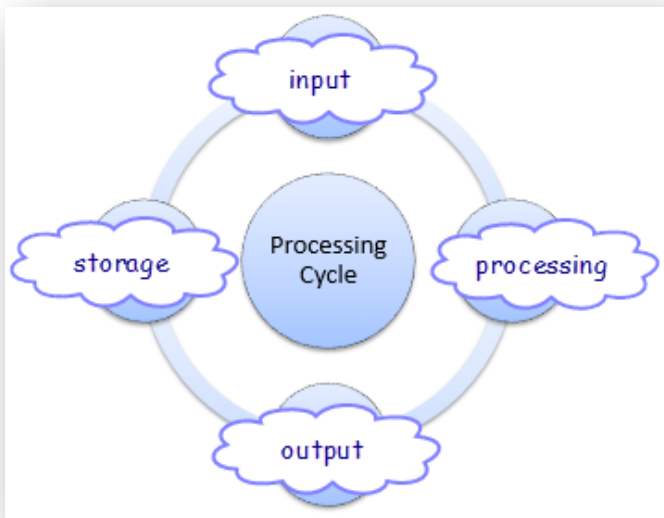
What type of devices are the following:

10. A
 11. E
 12. C
 13. D
 14. B
 15. A
 16. B
 17. C
-

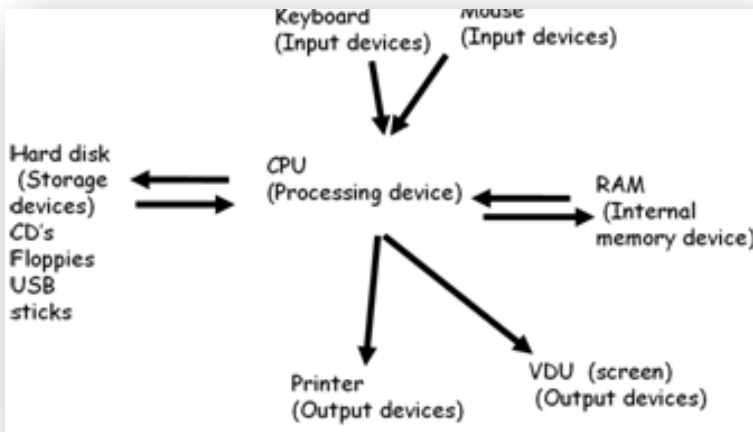
What do the following components do? (what is the purpose of the device?)

18. Keyboard: used to input data into the computer/display shows character entered/has additional keys eg Ctrl, Alt etc
19. Mouse: point and click mouse pointer to move cursor/Double click to take an action (eg open a file, select something)/Click, hold and drag, to move data
20. The motherboard: houses the processor (CPU), memory (RAM), buses (along which bits of data travel) and other components eg graphic cards, sound cards, PCI cards (used for peripherals like scanners) to plug into.
21. The CPU: processes the data in the computer – it “does the work” or “produces information”./It sends messages to and from the input devices, output devices and storage devices./The more Megahertz (the speed at which the processor works), the more powerful the CPU and the faster it can work.
22. RAM: Holds what is currently required eg data, system software and application software commands and instructions/ Temporary holding area for data while processing occurs/ Volatile – reliant on power – lose the power, lose the data!!/ More RAM (Megabytes) – better performance as the PC can “think” faster
23. Monitor: Shows what is currently happening in the PC/Shows where the mouse is pointing /Shows position of cursor/ Shows data as it is input (soft copy or temporary copy shown on screen)/ Shows information which is the result of processing the original data
24. Printer: CPU sends copy of document required to be printed from RAM to printer memory/ Printer then prints the document/ Shows data as hardcopy (permanent copy)
25. Hard disk drive: Also known as permanent or secondary storage/ Non volatile (not reliant on power)/ READ-WRITE HEAD moves back & forth over the disk, looking for the file to be opened, then file is copied into RAM. After processing, read/write head copies file back to disk
26. Portable drive: Fast, portable, small or large storage capacity; allows data to be input (transferred) from one device to another

The processing cycle uses what type of devices



27.



28.

Interaction of components




29. User opens a program

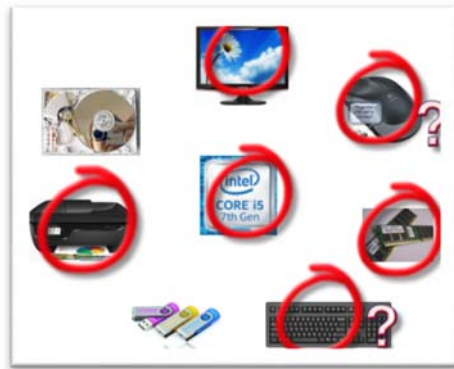


30. User creates an image




31. User saves to portable drive

(Ctrl S or  on Save icon ?)



32. User prints image

(Ctrl P or  on Print icon ?)

Multi Choice Questions for revision

33. D

34. D

35. B

36. D

37. D

True/False questions for revision

38. True

39. True

40. True

41. True

42. True

43. True

44. True

45. True

Short answer and fill in questions for revision

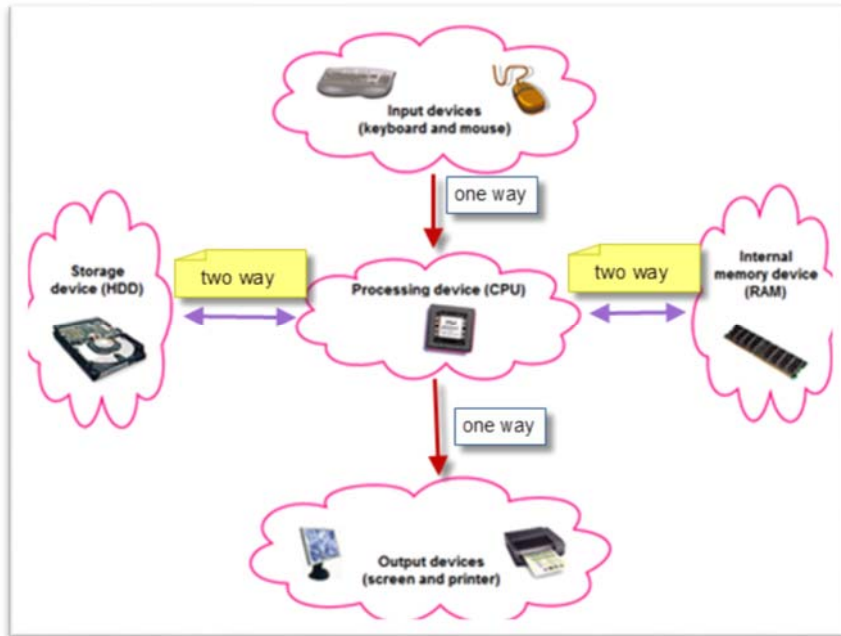
46. mouse
 47. keyboard
 48. RAM
 49. storage
 50. RAM stores/holds data and instructions temporarily and secondary storage stores them permanently, RAM is volatile and secondary storage is non volatile
 51. output
 52. the motherboard
 53. data
 54. data and program instructions currently required
 55. reliant on power
 56. input
 57. keyboard
 58. currently happening in the PC
 59. optical, laser
 60. permanent
 61. storage, input, output
 62. RAM
-

Diagram for revision

63. Opens from storage device

Input device (keyboard or mouse) to open file → HDD permanent storage device accessed to retrieve file → RAM device is used to temporary store the accessed file → Output device Monitor used to display file

64. Edits the data



Revision answers for Section 2

1. Software is any type of program

- which contains step by step instructions
- which tells the computer what to do
- which tells the computer how to do it

2. What is application software

Application software does specific tasks / Types of programs that make computers perform specific tasks

3. What is Systems software?

System software runs the system

Fill in the following sentences:

4. systems software (windows), application
 5. systems software (windows)
 6. systems software (windows)
 7. system software (windows), application software
 8. Systems software (windows), hardware
 9. application software
 10. specific
 11. spreadsheet software / application software / Excel
 12. word processing software / application software / Word
 13. photo editing software / application software / Kodak Easyshare
-

Multi choice questions

14. C
 15. A, D
-

True / False questions

- 16. false
 - 17. false
 - 18. true
 - 19. false
-

Relationship:

- 20. To show the relationship between user, application software and system software, complete the sentences below

Computer user **E**nters the command

Application software **R**eceives the command

System software (windows) **I**nterprets the command (and directs)

Hardware to **C**arry out the command

Outputs

21. Write the outputs from the List of Outputs, beside the correct application package in the Application table. There is more than one output listed for each of the applications. Some are already completed for you:

Application	Output and function
Word processing	<i>Business letter, memo</i>
Spreadsheet	Budget, calculations
Database	Query facts in a file, Report of facts for management
Graphics – photo editing	Cropped photo, scanned photo
Desktop Publishing	Brochure, magazine cover
Communication software	Email messages, talk to other users (chat room)

Systems Software

22. Windows, Unix, Macintosh, MS DOS
 23. iOS, Android
 24. Got to have system software to be able to run application software
Instructions from system software are loaded into RAM (from Hard disk) when you turn the computer on
Responsible for the operation of the computer
Lets the user interact with the applications they may be using; interact with the hardware components, and any peripherals (peripherals are extra components you use with the computer eg printers, digital cameras, joysticks)
 25. Interacts with the hardware components, and any peripherals to carry out application software commands
 26. B
 27. Booting (or cold booting) or powering up
 28. RAM, Volatile
 29. Presentation, Word processing software, Application, Database, System, Spreadsheet software, System Software, Microsoft Access, Desktop Publishing Software
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Revision Section 3

Multi choice questions

30. A	31. D	32. A
33. C	34. D	35. C
36. B	37. D	38. A

Fill in the following sentence:

39. Corporate Confidentiality, Copyright, Piracy, Individual Privacy

True / False questions

40. False (a firewall)
41. False (DVD is laser written)
42. False (would deny access)
43. False (someone accesses data who should not)
44. True
45. True
46. False (stops unauthorised access)
47. False (virus)
48. True
49. False
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Multi choice questions

50. B	51. B	52. D	53. B
54. D	55. A	56. B	57. A