

## Choose ONE suitable word in the word bank to fill in each blank.

(There are more words than necessary. Each word may be used once or more.)

|               |                    |             |              |                |
|---------------|--------------------|-------------|--------------|----------------|
| a bus         | a bus network      | adware      | allows       | analysis       |
| animations    | artificial         | attachment  | backup       | broad          |
| communicate   | communications     | computers   | conferencing | cost-effective |
| database      | digital            | distributed | electronic   | email          |
| exchange      | fields             | information | LAN          | lower          |
| machine       | memory             | mobile      | networks     | nodes          |
| operation     | output             | overload    | passwords    | peripherals    |
| presentation  | productive         | ransomware  | ring         | robots         |
| search engine | skyrocket          | software    | sync         | unauthorized   |
| virtual       | wearable computers | wireless    |              |                |

1. \_\_\_\_\_ are designed to be worn on the body or integrated into the user's clothing.
2. \_\_\_\_\_ is software that displays unwanted advertisements on your computer.
3. \_\_\_\_\_ is a type of malware that prevents you from using your computer or accessing specific files on your computer unless a ransom is paid.
4. An operating system has three main functions: manage the computer's resources, such as the central processing unit, \_\_\_\_\_, disk drives, and printers, establish a user interface, and execute and provide services for applications software.
5. Electronic communication is fast, \_\_\_\_\_ and convenient, but these attributes contain inherent disadvantages.
6. \_\_\_\_\_ devices enable us to extract the finish product from the system.
7. \_\_\_\_\_ is a type of malware that prevents you from using your computer or accessing specific files on your computer unless a ransom is paid.
8. \_\_\_\_\_ means copying data to another place so that you don't lose it.

9. \_\_\_\_\_ is a set of instructions, called a program, which tells the computer what to do.
10. A \_\_\_\_\_ can manage any type of data, including text, numbers, images, sound and video and hyperlinks (links to websites).
11. A \_\_\_\_\_ connects computers over a relatively short distance, allowing them to share data, files, and resources.
12. A \_\_\_\_\_ database in which various parts of a database are located in different physical locations along with databases replicated and distributed between different points in a network can be imagined.
13. A network topology is the layout of the interconnections of the \_\_\_\_\_ of a computer network.
14. A record about an employee might consist of several \_\_\_\_\_ which give their name, address, phone number, date of birth, salary and length of employment.
15. Artificial Intelligence is slowly making progress, but it could soon \_\_\_\_\_ into a new trend in technology.
16. But in the modern world, telecommunications mainly means transferring information across the Internet, via modem, phone lines or \_\_\_\_\_ networks.
17. By using \_\_\_\_\_, one can send a message to another person through a mail immediately.
18. Don't use common words or numbers as \_\_\_\_\_, such as birthdays or names of your children.
19. Due to the advancement of electronic media, business managers can effortlessly manage \_\_\_\_\_ transversely the world.
20. Electronic communication can be classified into different types like messaging, voice call, e-mail, video \_\_\_\_\_, etc.
21. Hackers try to trick email recipients into believing that a message is genuine and relevant – a request from their bank or a note from a co-worker, for example – so that they click on a link or open an \_\_\_\_\_.

22. Heterogeneous and homogenous are the two kinds of distribution  
\_\_\_\_\_.
23. HTML is a language that is all about the \_\_\_\_\_ of your information, not what the actual data is.
24. If you want to inject something special into your web pages, you can use Adobe Flash to include interactive \_\_\_\_\_ and streaming audio.
25. If you want to share \_\_\_\_\_ with people, you can use RSS feeds and provide readers with a link to the feed.
26. In \_\_\_\_\_, all nodes are connected to a common medium, call backbone, as it happens with Christmas lights.
27. In \_\_\_\_\_ network all nodes are connected to a common medium, call backbone, as it happens with Christmas lights.
28. In basic terms, AI is a \_\_\_\_\_ area of computer science that makes machines seem like they have human intelligence.
29. In recent years, TV and radio broadcasting has been revolutionized by developments in satellite and \_\_\_\_\_ transmission.
30. In the ideal smart home, appliances and electronic devices work in \_\_\_\_\_ to keep the house secure.
31. In the near future we may have \_\_\_\_\_ pets, with video camera eyes and microphone ears, linked by radio to the family computer.
32. Instant messaging is a service, like SMS, that \_\_\_\_\_ people to send short messages using their mobiles phones (or computers).
33. Like human, a \_\_\_\_\_ retains information and becomes smarter over time.
34. Netflix and Google have already announced that they would be reducing video streaming quality in Europe for a month from high definition (HD) to standard definition (SD) to prevent network \_\_\_\_\_ and collapse.
35. Neural networks help solve the problem of providing higher revenue at \_\_\_\_\_ costs.

36. Neural networks, also called \_\_\_\_\_ neural networks, are ways of achieving deep learning.
37. No \_\_\_\_\_ user can access the information.
38. Nowadays, data are actually stored in a public cloud, a hybrid cloud or a private cloud, also known as a \_\_\_\_\_ environment.
39. On the other hand, \_\_\_\_\_ may be difficult to set up and may be insecure as computer hackers can send viruses or computer worms to the net computer.
40. Thanks to advances in processing speeds, \_\_\_\_\_ can actually make sense of all this information more quickly.
41. Thanks to books and movies, each generation has formed its own fantasy of a world ruled or at least served by \_\_\_\_\_ .
42. The \_\_\_\_\_ of large-size, unstructured information can be done very efficiently on several cloud virtual servers.
43. The \_\_\_\_\_ of information in a network is controlled by communications protocols, which define the formats and rules that computers must follow when talking to one another.
44. The best database packages also include network facilities, which can make business more \_\_\_\_\_ .
45. The role of the operating system is to \_\_\_\_\_ directly with the hardware.
46. There are three basic hardware sections: the central processing unit (CPU), main memory and \_\_\_\_\_ .
47. There is no central hub that holds all the data, and communication is sent in one direction around the \_\_\_\_\_ through the use of a token.
48. When you ask Siri or Cortana where the closest gas station is, it's really translating your voice into text, feeding it to a \_\_\_\_\_ , and read the answer back in human syntax.
49. While people are mostly using home WiFi, they would still use their mobile phones for voice \_\_\_\_\_ , and this is the area that MNOs need to keep a close

eye on.

50. With the potential congestion of fixed broadband service, there is a chance that devices will fall back on \_\_\_\_\_ networks, and this will cause a significant surge of mobile data traffic.