

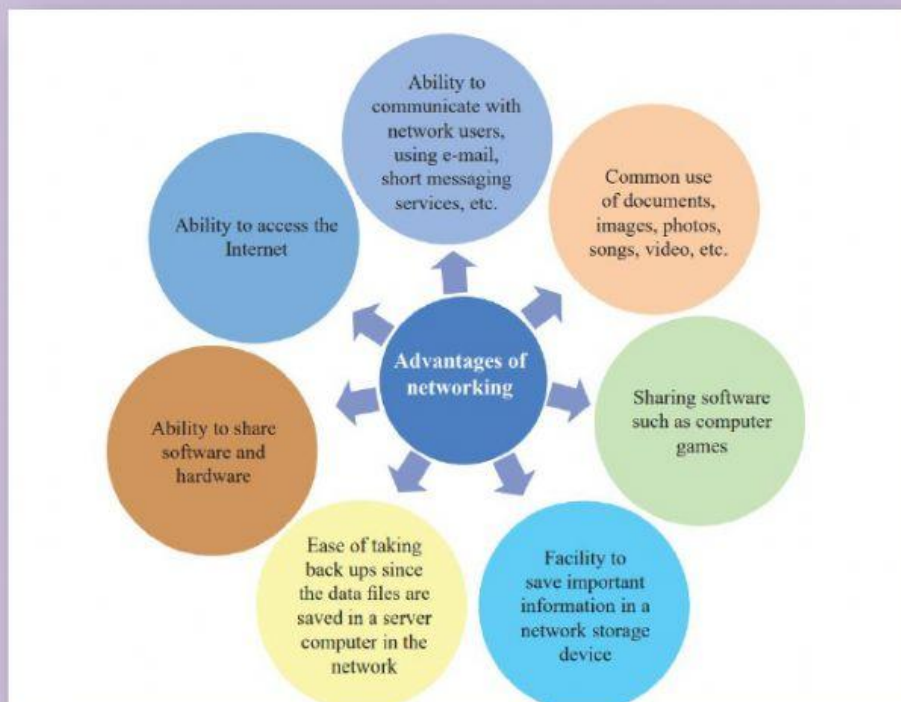
5 Computer Networking

Grade 9

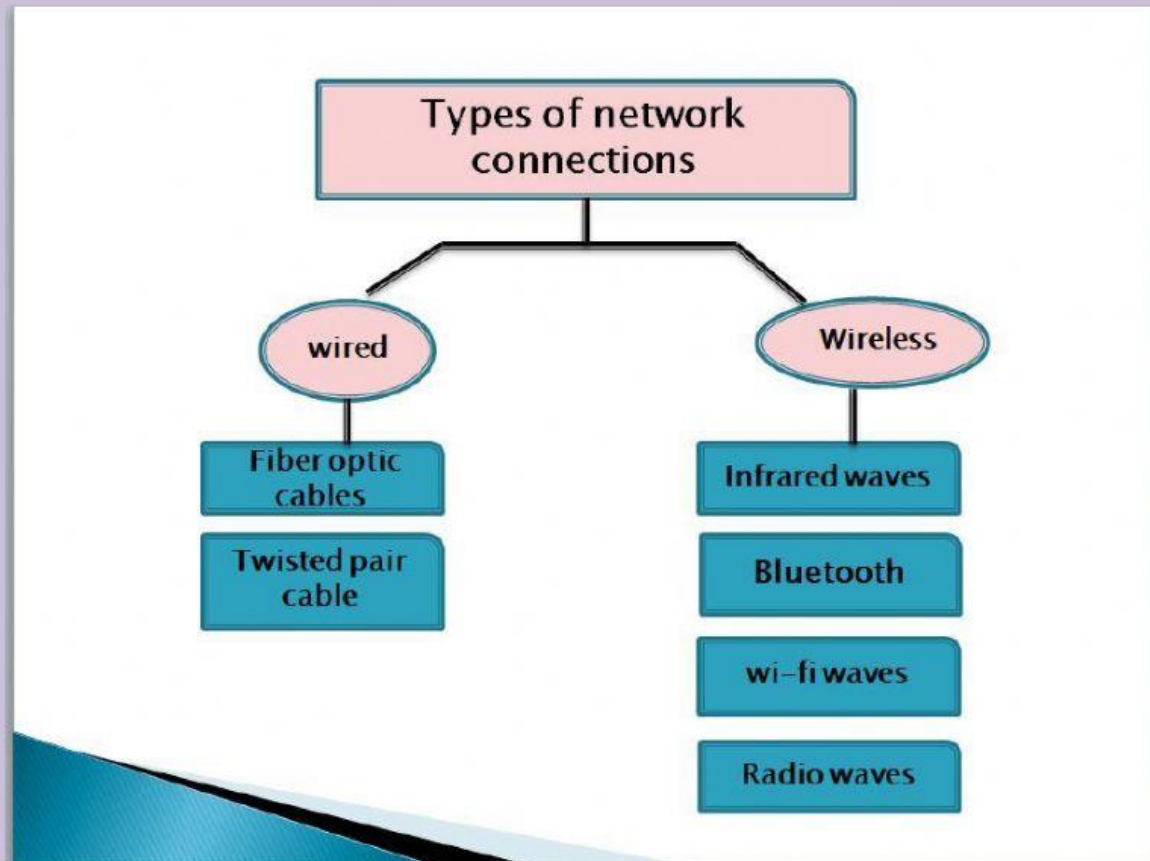
What is computer networking?

Two or more computers that are connected with one another for the purpose of communicating data electronically.

Advantages of computer networking

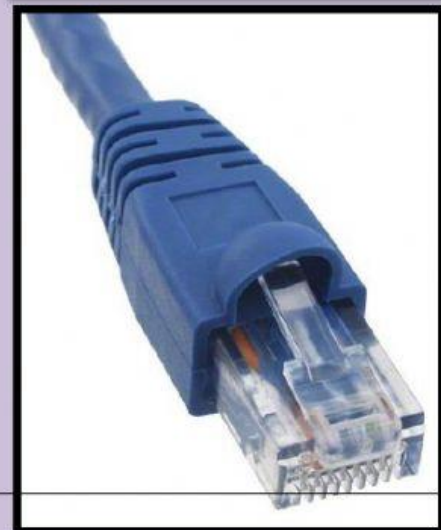
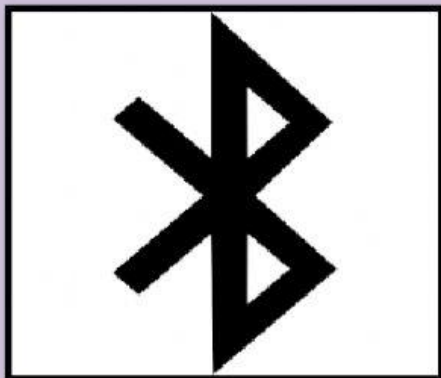


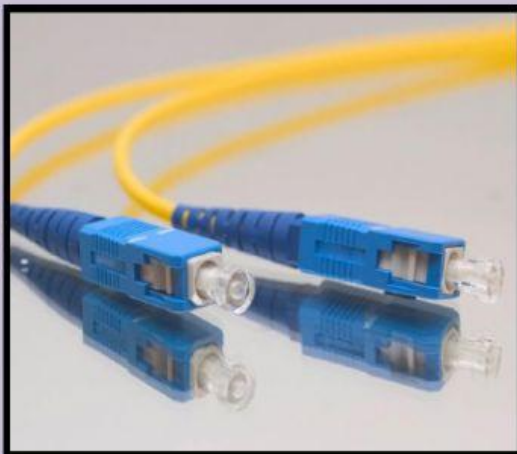
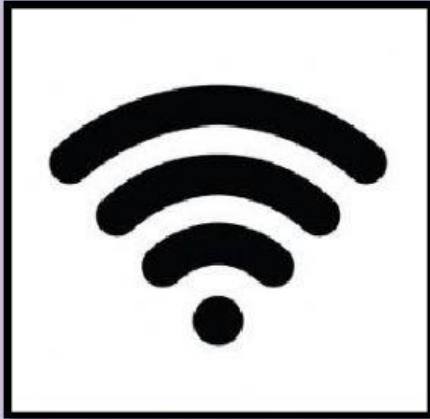
Types of network connections



Activity

- With the help of 68 of the your text book, drag and drop from the answers given below and name ahead.





Fiber optic cables Infrared waves Radio waves
Twisted pair cables Bluetooth Wi-Fi waves

Basic devices of a Network

- ✓ Server
- ✓ Switch
- ✓ Network interface card(NIC)
- ✓ RJ45 cable

Server



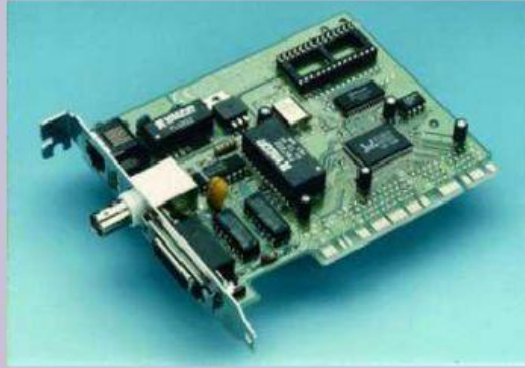
The server manages the software, the hardware, the files and communication in the network. Any ordinary computer with the necessary software installed can be used as a server.

Switch



The switch acts as the mediator between two or more computers. The switch recognizes the destination computer or the device when messages are sent from one computer to another in the network.

Network interface card(NIC)



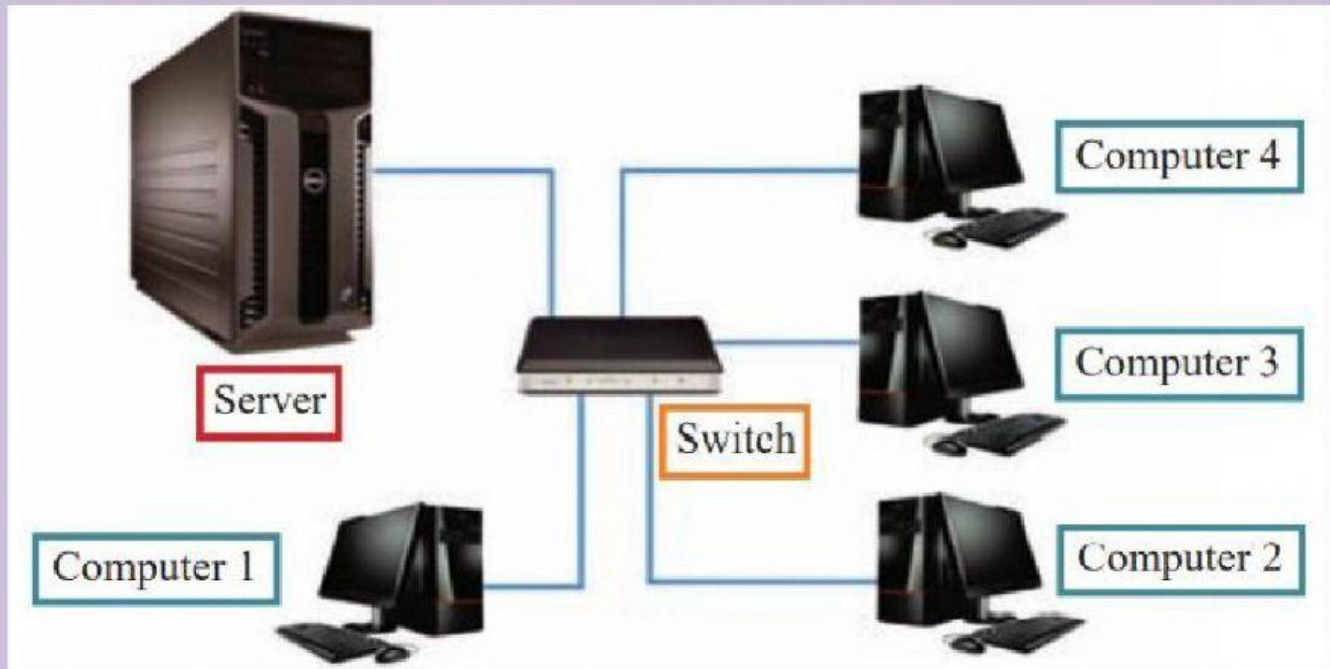
Network Interface Card connects a computer to a computer network

RJ45 cable



RJ45 connector cable

An example of a computer network



Activity - select the correct answer

1. What is a computer network

- a) Manage software, software, files, and messages on a network
- b) Connecting two or more computers to each other
- c) Connecting with the Internet
- d) Is the central processing unit in the computer

2.What is not an advantage of computer networking

- a) Not a ability to access the Internet
- b) Ability to share software and hardware
- c) Common use of documents, images, photos, songs, video, etc.
- d) Facility to save important information in a network storage device

3. The methods used to connect computer networks are

- a) Impact / Non –impact
- b) Primary / secondary
- c) LAN/MAN
- d) Wired/ Wireless

4. Acts as a mediator to build a connection between two or more computers,

- a) Server
- b) Switch
- c) RJ45 cable
- d) Network interface card (NIC)

5. This is the method of using infrared waves

- a) Wired
- b) Impact
- c) Online
- d) wireless