

Telecommunications Basics

Technology · Answer Key · 8 Questions

1. What is the main purpose of telecommunication?

- A) Sending physical letters by hand
- B) Manufacturing goods efficiently
- C) Exchanging information over a distance**
- D) Building large structures quickly

2. Who is widely credited with inventing the first practical telephone?

- A) Thomas Edison
- B) Samuel Morse
- C) Alexander Graham Bell**
- D) Guglielmo Marconi

3. Which type of cable uses thin strands of glass or plastic to transmit data using light signals?

- A) Coaxial cable
- B) Twisted-pair cable
- C) Fiber optic cable**
- D) Ethernet cable

4. What invisible waves are used to transmit radio and television signals wirelessly?

- A) Sound waves
- B) Water waves
- C) Seismic waves
- D) Electromagnetic waves**

5. How do communication satellites help transmit signals over very long distances, such as across oceans?

- A) By digging underground tunnels
- B) By bouncing signals off the moon
- C) By relaying signals from space**
- D) By using very long wires

6. In a telecommunication system, what is the role of the "receiver"?

- A) To encode the message
- B) To send the message
- C) To interpret the message**
- D) To store the message permanently

7. Which of these technologies typically provides the fastest internet connection for homes and businesses today?

- A) Dial-up modem
- B) ADSL (Asymmetric Digital Subscriber Line)
- C) Satellite internet

D) Fiber optic broadband

8. What technology allows mobile phones to communicate wirelessly by connecting to nearby "cell towers"?

- A) Satellite radio
- B) Bluetooth

C) Cellular network

D) Wi-Fi hotspot