

Telecommunications Basics

Telecommunications · Answer Key · 25 Questions

1. Which invention by Alexander Graham Bell changed the way people talk to each other over long distances?

- A) The lightbulb
- B) The telephone**
- C) The television
- D) The typewriter

2. What type of invisible waves do mobile phones use to send and receive information?

- A) Sound waves
- B) Ocean waves
- C) Radio waves**
- D) Heat waves

3. What is the primary function of a satellite orbiting the Earth in telecommunications?

- A) To take photos of the moon
- B) To act as a relay station for signals**
- C) To clean space debris
- D) To control the weather

4. What do we call the global network that connects billions of computers and devices together?

- A) The Internet**
- B) The Radio
- C) The Post Office
- D) The Telephone line

5. Which of these devices was commonly used in the past to send typed messages across wires using codes?

- A) A fax machine
- B) A telegraph**
- C) A smartphone
- D) A record player

6. In fiber optic technology, what is used to transmit data through thin glass strands?

- A) Sound
- B) Electricity
- C) Light**
- D) Wind

7. Which of these is a wireless way to connect devices like headphones to a computer over a short distance?

- A) Bluetooth**
- B) A USB cable
- C) A telephone wire
- D) A satellite link

8. What part of a mobile phone captures your voice and turns it into an electrical signal?

- A) The screen
- B) The battery
- C) The microphone**
- D) The speaker

9. What is the main purpose of a cell tower?

- A) To provide electricity to houses
- B) To transmit and receive mobile signals**
- C) To store water
- D) To act as a lightning rod

10. Before modern digital phones, what device did people use to send a paper document instantly over a telephone line?

- A) A printer
- B) A scanner
- C) A fax machine**
- D) A projector

11. What do we call the address that every computer or device has on the internet to be identified?

- A) A street address
- B) An IP address**
- C) A zip code
- D) A serial number

12. Which of these technologies allows you to have a face-to-face conversation with someone in another country?

A) Video calling

B) Radio broadcast

C) Writing a letter

D) Reading a newspaper

13. What material is commonly used to make the cables that carry internet data deep under the ocean?

A) Copper and glass

B) Wood and plastic

C) Rubber and steel

D) Cloth and paper

14. What is the term for a message sent through the postal service?

A) An email

B) A text message

C) A letter

D) A video call

15. Which device converts radio waves into sound so you can hear music or news broadcasts?

A) A microwave

B) A radio receiver

C) A blender

D) A flashlight

16. What is the purpose of an antenna on a communication device?

A) To keep the device cool

B) To send or receive electromagnetic waves

C) To protect the battery

D) To display images

17. What type of signal is made up of just ones and zeros, which computers use to communicate?

A) Analog signal

B) Digital signal

C) Sound signal

D) Light signal

18. What do we call the process of sending an email from one person to another?

- A) Electronic mail**
- B) Postal mail
- C) Physical delivery
- D) Broadcast

19. Which invention allowed people to receive moving images and sound in their homes?

- A) The telescope
- B) The television**
- C) The compass
- D) The barometer

20. What do we call the speed at which data travels over the internet?

- A) Weight
- B) Bandwidth**
- C) Volume
- D) Height

21. What do you need to connect your home computer to the internet?

- A) A router**
- B) A telescope
- C) A magnifying glass
- D) A hammer

22. Which of these is a common wireless technology used in homes to provide internet access to multiple devices?

- A) Wi-Fi**
- B) Morse code
- C) A telegraph
- D) A landline

23. What is the function of a 'browser' on a computer or tablet?

- A) To type documents
- B) To view websites on the internet**
- C) To play video games only
- D) To take photographs

24. Which of these sends information instantly and is often used for short, quick text communication?

A) A handwritten letter

B) Instant messaging

C) A newspaper

D) A library book

25. What was the main way people communicated across vast distances before electricity was used?

A) Using light signals or messengers

B) Using video calls

C) Using text messages

D) Using the internet