



Through which waves does an ordinary mobile phone communicate?

Through which waves does an ordinary mobile phone communicate?

- A. Radio waves
- B. Sound waves
- C. Light waves
- D. X-rays

Show Answer...

Correct Answer: A (Radio waves)

Explanation:

An ordinary mobile phone communicates using radio waves.

Option B, Sound waves, is not the correct answer. While sound waves are used for communication in telephony systems like landline phones, mobile phones primarily rely on radio waves for wireless communication.

Option C, Light waves, is not the correct answer. Light waves are used in optical communication systems, such as fiber optics, but they are not the primary means of communication for mobile phones.

Option D, X-rays, is not the correct answer. X-rays are not used for mobile phone communication. They are primarily used in medical imaging and other scientific applications.

Mobile phones use radio waves to establish wireless communication with cellular networks. Radio waves are a type of electromagnetic radiation with longer wavelengths than visible light. They can easily propagate through the air and are used for various wireless communication technologies, including mobile phones, Wi-Fi, and broadcasting.

Mobile phones transmit and receive signals using radio waves within specific frequency bands allocated for mobile communication. These signals carry voice,



Through which waves does an ordinary mobile phone communicate?

data, and other information, allowing users to make calls, send text messages, access the internet, and use various applications on their mobile devices.

Understanding the use of radio waves in mobile phone communication helps us appreciate the advancements in wireless technology that have revolutionized the way we communicate and access information. It also highlights the importance of radio frequency management and regulations to ensure efficient and reliable mobile communication networks.



[Click Here for Online MCQs Quiz Now](#)

[Click Here to Submit MCQs](#)

[Log In](#)

[Register](#) if you don't have an Account.

| [Compulsory MCQs](#) | | [Optional MCQs](#) | | [Online Quiz](#) | | [CSS Syllabus 2022](#) | | [Past Paper MCQs](#) | |

[Home](#)