

Use of English

Science and Technology

Radio waves

Today, many of our most important electronic appliances work by using electromagnetic waves, including radio and TV receivers and wireless Internet devices. The technological advances which led to the creation of these devices started with the ¹ of radio waves. Radio waves are used for the transmission of electronic pulses that ² sounds, information and pictures.

Scottish physicist James Maxwell first ³ the existence of radio waves in the 1860s. World-famous Italian inventor Guglielmo Marconi later proved that radio communication was a real ⁴ when he



transmitted the world's first wireless radio signal in 1895. At a ⁵ date, the letter S in Morse code was broadcast over 2,100 miles across the Atlantic from the USA to England in 1901. It was the first ⁶ wireless radio signal to cross between continents.

Marconi's company became ⁷ as a provider of wireless equipment and operators for shipping. It most ⁸ supplied equipment to the Titanic. The company's wireless transmissions helped save many lives, as SOS messages were sent out from the ⁹ ship to other ships nearby.

Marconi had been invited to sail on the ship's first ¹⁰, but had not been able to make it. It was only after the event that he must have realized how lucky he had been!

Choose the correct option to fill in the gaps. Type a letter in the gap

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|----------------|----------------|---------------|--------------|
| 1 A discovery | B confirmation | C invention | D evidence |
| 2 A illustrate | B picture | C reflect | D represent |
| 3 A predicted | B judged | C reckoned | D valued |
| 4 A capacity | B possibility | C probability | D certainty |
| 5 A coming | B following | C successive | D later |
| 6 A lucky | B profitable | C successful | D fortunate |
| 7 A well-said | B well-known | C well-done | D well-made |
| 8 A officially | B publicly | C famously | D remarkably |
| 9 A dropping | B sinking | C falling | D collapsing |
| 10 A voyage | B travel | C cruise | D expedition |