

Vocabulary

A Complete the sentences with these words.

battery camcorder closed-circuit TV database GPS navigator microchip research USB stick

- 1 The shoplifter was seen stealing CDs on the _____ system.
- 2 If we had a _____, we'd know how to get to the party.
- 3 I put the files that I needed onto a _____ and took them home.
- 4 Our dog has got a _____ in case it ever gets lost.
- 5 I need to recharge the _____ on my phone.
- 6 All of the office computers are linked to the main _____.
- 7 _____ leads to the development of new technology.
- 8 They filmed the entire wedding on his _____.

B Circle the correct words.

- 1 Ask Ben how to use the GPS navigator; he's an expert **on / at** them.
- 2 I was really concerned **around / about** my iPod after I dropped it, but it was fine.
- 3 We rely **on / for** technology a lot these days.
- 4 If I didn't have my mobile phone, I don't know how I would communicate **to / with** people!
- 5 The use of closed-circuit TV leads **in / to** lots of criminals being arrested.
- 6 I've been looking **into / for** an iPad for weeks, but they must have sold like hot cakes!

C Complete the phrases.

- | | |
|-----------------------|-------------------|
| 1 information t _____ | 4 back-up c _____ |
| 2 graphic d _____ | 5 digital c _____ |
| 3 computer l _____ | 6 remote c _____ |

D Complete the text with these words.

developed engineers experimented instead
progress revolutionised successful threat

Archimedes' death ray

Ancient historians noted that in 212 BC when the Greek city of Syracuse, in Sicily was under (1) _____ of attack by the Romans, Archimedes devised a mirror that directed the sun's rays onto Roman warships and set them on fire, rather like a modern laser. Archimedes, an ancient Greek scientist, had (2) _____ mathematics and physics, so many people believed that he was indeed clever enough to have (3) _____ such a death ray. Others dismissed the idea as a myth.

The popular TV programme *MythBusters* tried to recreate Archimedes' death ray, but made no (4) _____ and decided it was impossible. However, a group of (5) _____ from MIT (Massachusetts Institute of Technology), fascinated by the myth, decided to try it themselves.

They built a replica of part of a Roman warship and positioned it at the right distance. Then they (6) _____ with different shapes, formations and numbers of mirrors (7) _____ of just one large mirror. They waited for a sunny day, and when it came, within minutes there was a large flame and the warship was on fire! They had been (8) _____ in proving that the death ray was not a myth.

