Video

9 Mars Rovers



Before you watch

A **Work with a partner and answer these questions.**

- How has technology changed our lives?
- Do you think that we rely too much on technology? Why? / Why not?
- What technological advances do you think we'll see in the near future?

While you watch

B **Watch the video and decide if these statements are T (True) or F (False).**

1 Mars has so far been too far away and dangerous for humans to explore. ☐
2 Spirit landed first after a seventy-month trip. ☐
3 To look for water, the robots carried equipment to measure the water in the rocks. ☐
4 The rovers also carried special cameras for scientists to record images of the planet's rocks. ☐
5 Spirit moved on to an area that had been a volcano. ☐
6 The discoveries of the two Mars rovers answered some old questions, but they also brought up many new ones. ☐

After you watch

C **Complete the summary of the video below using these words.**

alternative find existed operate patterns rough signs whereas

The planet Mars is very interesting to scientists because it is the closest and the most similar planet to Earth. For example, Mars has seasons with different weather, (1) _____ other planets have the same temperatures all year round. Did life exist on Mars? To (2) _____ out, scientists need to know if Mars ever had water. In 2004, two robot explorers, or 'rovers', called Spirit and Opportunity were sent to Mars to look for (3) _____ of water. These rovers can drive over rocks and all kinds of (4) _____ ground. They can also (5) _____ cameras and send photos back to Earth. First, the two rovers found chemicals and (6) _____ in the rocks that were probably made by water. Then, they moved to a(n) (7) _____ area and found other rocks which may have been created by water. Now scientists think there was probably water on the planet long ago. They still don't know if life ever (8) _____ on Mars, but they received a lot of important information that will help them in the future.



Spirit and its twin robot Opportunity have travelled more than 20 km across the rocky surface of Mars and have given us a lot of new information about the planet.



Ideas Focus

- Are you interested in space exploration? Why? / Why not?
- Do you think that space exploration is important? Why? / Why not?
- What has mankind gained from space exploration?

LIVEWORKSHEETS