


- 7 Birch trees can reach 30 metres in height and have a very vigorous growth pattern.
 - A Damage can be caused to drains and house walls if they are close to the particularly fast-growing roots.
 - B The roots are particularly fast-growing and can cause damage if they are close to drains and house walls.
- 8 Recycling has recently become an important issue in local politics and recycling facilities are becoming more common.
 - A Receptacles for glass, paper, board, plastics, old clothes and books can now be found in the centre of most towns.
 - B You can now find receptacles for glass, paper, board, plastics, old clothes and books in the centre of most towns.

3 GRAMMAR IN USE In the following text the underlined parts do not conform with the principles of ordering information. Rewrite these sentences appropriately, changing the grammar as necessary.  5.02 Listen and check.

The Hubble Space Telescope

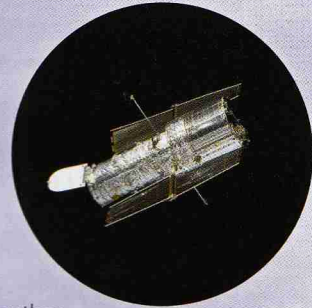
THE HUBBLE SPACE Telescope was put into orbit by the American space shuttle Discovery in April 1990. (0) The Earth is orbited by it at an altitude of 610 kilometres. (1) The light from space is not affected by interference from the Earth's atmosphere at this height. As a result the Hubble telescope is at least ten times more accurate than telescopes on the ground and has a much greater range. (2) In our search for distant stars and planets this makes it the most useful tool.

The telescope is named after the most influential astronomer of the twentieth century, Edwin Hubble. Working at the Mount Wilson Observatory in Pasadena, (3) his close observation of the Andromeda Galaxy was used by the American astronomer to develop the theory that the universe is expanding.

The Hubble Space Telescope has not had a smooth history. (4) Scientists at NASA discovered

that the main mirror had become distorted and could not be used with any accuracy only two months after it went into orbit. Rather than

abandon the project, NASA decided to find a way to resolve this problem. (5) COSTAR (corrective optics space telescope axial replacement) was the name of the solution. This was a device which contained ten smaller mirrors designed to compensate for the distortion in the telescope's main mirror. It cost \$360 million to develop the technology and more than 30 hours of spacewalks by astronauts to fix the device. (6) The Hubble Space Telescope is now working correctly and sending its astonishing data back to Earth, the repairs were completed in January 1994.



- 0 It orbits the Earth at an altitude of 610 kilometres.
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