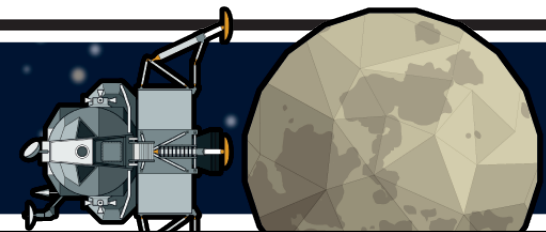
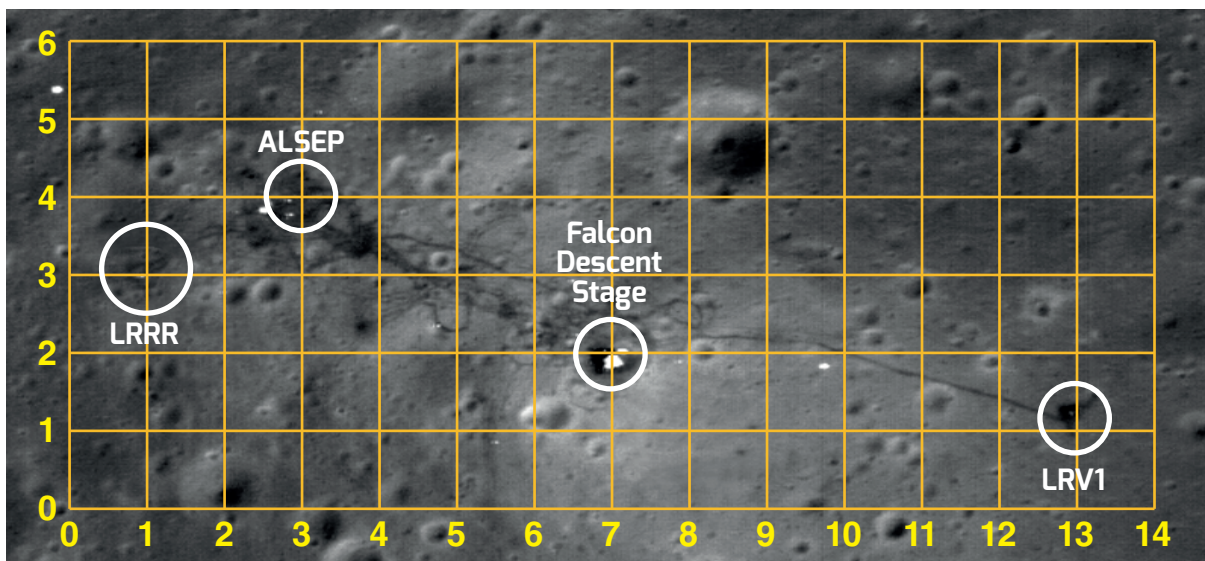


11.2 RETURNING TO THE MOON



The European Space Agency is currently looking at options for returning to the Moon. Many people believe it would be nice to visit the original Apollo landing sites, but to do that, we need to locate the items left behind.

Below is an image taken of the Apollo 15 landing site by the Lunar Reconnaissance Orbiter. A set of axes and a grid have been placed over the image. Can you help the European Space Agency by giving them the coordinates of the 4 labelled objects?



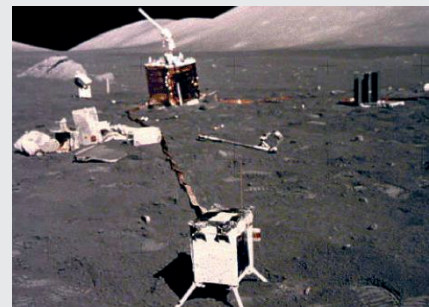
LRRR (Lunar Laser Ranging Retroreflector)



The LRRR is a bit like a giant bike reflector. When a laser is aimed at it from the Earth, it will bounce directly back. By timing how long this takes, scientists can work out the distance to the Moon!

Coordinates:

ALSEP (Apollo Lunar Surface Experiments Package)



These were sets of experiments placed near the landing sites of all missions after Apollo 11. They allowed us to find out more about the structure and composition of the Moon environment.

Coordinates:

Falcon Descent Stage



This is the bottom half of the lunar lander (called falcon for Apollo 15). The top part would later blast off the surface back into orbit around the Moon, but the bottom half was left behind.

Coordinates:

LRV1 (Lunar Roving Vehicle)



This was a moon buggy, that was unfolded once Apollo 15 had landed on the Moon. This meant that the astronauts could drive on the surface of the Moon, and explore further away from their landing sites.

Coordinates: