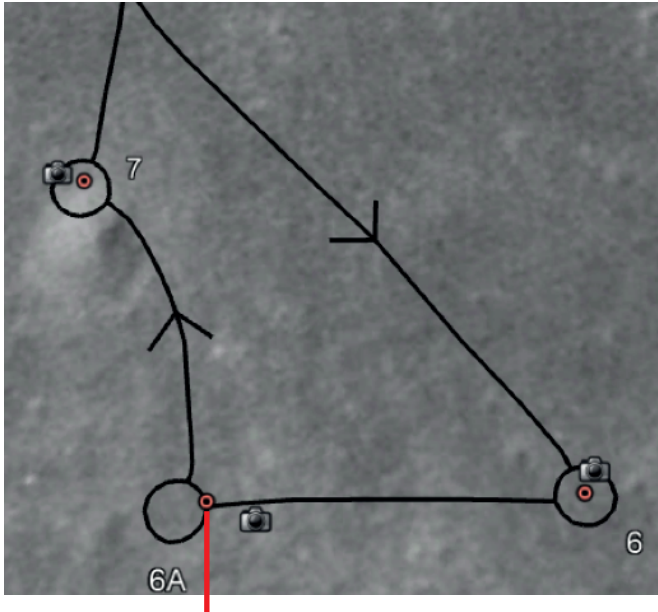


2. EXPLORE AN EVA

You are going to focus on EVA 2. Zoom in on the bottom part of the route using the navigation tools (see Exploring the Moon in Google Earth guide).



a) Click on the red dot by 6A. Briefly describe what surprising feature the astronauts found at this point. Then click on the camera icon and zoom into the image to see what they could see. Then exit the photo and zoom back out to see the bottom part of the EVA 2 trail.

What did they find here?

b) Now click on the red dot by 7 and read the information.

Explain briefly what the Astronauts found here, and why it was important:

How much time did they have for science?

The astronauts spent 7 hours and 12 minutes performing EVA 2. A good chunk of that time was spent in driving the LRV to interesting points. You are going to measure how far they travelled in total on the EVA, and calculate how long it would have taken for them to drive this far. You will then calculate how much time they had to spend on collecting samples and doing experiments.

Use the ruler tool to measure the total distance that the LRV travelled during the EVA. Make sure you have selected the path tab. Make a note of how many points you have used to map out the path.

Note: when drawing your path, do not click on a point you have already made. If two routes cross over, put the new point next to the old one.

Number of points: _____

Total distance (in metres): _____

The average speed of the LRV was 9km per hour. (Hint: there are 3600 seconds in one hour)
What is this speed in metres per second?

Average speed: _____ **m/s**

So how long would it take the LRV to cover the distance you mapped out?

Time: _____ **hours** _____ **minutes** _____ **seconds**

So how much time did the astronauts have to do their science?