



Level 7 SAT question

7.1. Space probes have shown that there are dry river valleys, volcanoes and mountains on Mars.

(a) Scientists think that Mars, like Earth, has all three types of rock (igneous, sedimentary and metamorphic). Using the information above, describe the *evidence* to suggest that *each* of these rock types exists on Mars

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

3 marks

(b) Temperatures on parts of Mars vary from 0°C in the afternoon to -100°C during the night.
How might these changes affect the rocks on the surface of Mars?
Explain your answer.

.....

.....

.....

.....

2 marks

Maximum 5 marks