



Experiment / Life on Mars

What harsh conditions must life be able to withstand to survive on Mars?

(Discuss in your group and write down three points)

1. _____
2. _____
3. _____

Did the tardigrades survive the experiments?

(Put a cross or tick in the form below)

| | Yes | No | Maybe |
|--------------------------|-----|----|-------|
| Cold exposure experiment | | | |
| Vacuum experiment | | | |
| UV-light experiment | | | |

Are there other types of life on Earth that are as tough as tardigrades?

(Discuss in your group)

How can the experiment with the tardigrades be used for your mission?

(Consider what the experiment can tell you about the possibility of life on Mars)

If your mission investigates whether there can be life on Mars, you will need some people who know a lot about life and conditions for life. Which type of professionals know something about conditions for life?

(Discuss in your group and note down three professions/educations)

1. _____
2. _____
3. _____

