

Name _____

Mars: The Red Planet's Mysteries

Open-Ended Response Questions

1. Discuss the challenges that astronauts would face when planning a human mission to Mars, considering factors like the thin atmosphere, extreme cold, and radiation.
2. Explain the potential implications of discovering evidence of past microbial life on Mars for our understanding of the universe and the possibility of life beyond Earth.
3. Why is the study of Mars's water history and the search for liquid water important in the context of astrobiology and the search for extraterrestrial life?
4. Describe the significance of private companies like SpaceX planning missions to Mars and their potential impact on future space exploration.

