

Review Questions: Mars

| Question | Answer |
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| Question 1: Which of the following conditions most completely satisfies the question: Why is Mars the way it is today? | its location in the solar system |
| Question 2: How does the magnetic field of Mars compare with that of Earth? | The Earth has a strong field, while Mars has scattered, small, fossil or remnant fields. |
| Question 3: Contrast the Valles Marineris on Mars with the Grand Canyon on Earth, discussing their relative sizes and how they formed. | See exercise on Martian topography. |
| Question 4: Tharsis bulge, Valles Marineris, Olympus Mons: what geological process or processes were responsible for making them? | volcanism and tectonics |
| Question 5: Briefly describe the evidence for climate change on Mars. Where did all the atmospheric gas go? | See lecture and on-line notes. |