

Video Questions: *Mars, Dead or Alive*

Geology/Earth Science

Mr. Traeger

Name: _____ Period: _____ Date: _____

Answer the following questions to the best of your ability.

1. What is the reason for investigating Mars?
2. What does the presence of liquid water on Mars indicate?
3. How long does it take for radio signals to reach Earth from Mars? Why is this?
4. How does the orbit of Earth and Mars affect the launch time of the rovers?
5. Why is entry into the Mars atmosphere so critical?
6. Why would the rover balloons bounce so high on Mars? Would they bounce as high on Earth?
7. What is the atmospheric pressure on Mars compared to Earth?
8. Why does the Mars Rover need to land at an area near Mars equator?
9. Where does the mineral hematite form?

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10. Why is Gusev Crater such a good place to land?

11. Why is it so important to have parachutes that will work?

12. Where did the Mars Rovers launch from?

13. What is the name of the first rover to launch?

14. What is the name of the second rover to launch?

15. How far away is Mars?

16. What are your feelings about human exploration of Mars? Do you think human exploration will be better than the robotic exploration that has taken place so far? Is it something we should be spending taxpayer money on? Write a short essay response below.