

Questions to turn in:

1. What evidence tells us that all life today shares a common ancestor?
2. Who is the pioneer of American Rocketry?
3. How big is Valles Marineris?
4. What is the largest volcano in the Solar System?
5. Where did the two Viking landers land?
6. What was the first image ever returned from the surface of Mars taken of?
7. Where do the SNC meteorites come from?
8. How do we know that?
9. What were the results of the Viking experiments designed to look for life?
10. How many moons does Mars have?
11. Where did they come from?
12. What happened to Mars Observer?
13. How often do lunar and planetary missions fail?
14. Which of the four surface geological processes can we see features formed by on Mars?
15. Why is Mars red?
16. What is astrobiology?
17. What are the two major reasons that astrobiologists are more willing to accept life on other planets?
18. What is the best place on Mars to look for life?
19. What type of spacecraft will the next mission to Mars be?
20. Name one orbiter that has already taken images of Mars.

Questions for discussion:

CP: ch 13: Review Questions #13, 14, 21 and 22, Time out to Think questions on pages 375 and 377, plus

1. Does Mars have an ozone hole?
2. Compare the rover in Cosmos to the Sojourner rover.
3. Compare Sagan's plans for such a rover to what Sojourner did.
4. What should we do with Mars? How could we terraform Mars?
5. Do you think it's likely that some kind of life developed on Mars?
6. Briefly describe the Viking experiments designed to look for life.
7. Sagan states, "It is much better to take more risks and fly more spacecraft." Why does he say this? Do you agree?
8. Why does Sagan dislike the Space Shuttle?
9. What are the reasons Sagan gives for the lack of a joint US/Russian mission to Mars?
10. What does Sagan believe is the ultimate purpose of a space station? Why does Sagan think NASA has avoided telling anyone the ultimate purpose of a space station?
11. How do you feel about future human exploration of Mars? How important is it?
12. What has been the fate of the Mars missions since (and including) Mars Observer?
13. How was Mars different in the past?
14. Is there water on Mars?