

Name: \_\_\_\_\_

Hour: \_\_\_\_\_ Date: \_\_\_\_\_

## A Traveler's Guide To the Planets

### Venus and Mercury

1. One day on Mercury last how long?
2. Mercury is covered in \_\_\_\_\_.
3. The most preserved impact crater on Earth is where?
4. Mercury has no a \_\_\_\_\_.
5. There are c \_\_\_\_\_ everywhere.
6. Looking at every stone and crater on Mercury is like looking back \_\_\_\_\_ years. Why?
7. One year on Mercury is how many Earth days?
8. One day on Mercury is how many Earth days?
9. In 1974 NASA sent up which probe to take images of Mercury?
10. Which probe mapped the entire planet?
11. What is the name of the largest impact crater on Mercury?
12. How large is it?
13. What protects the Earth from the radiation sent towards us by solar flares of the sun?
14. What is the visible evidence of the radiation from solar flares hitting our atmosphere?
15. If you were on the surface of Mercury the sun would appear \_\_\_\_\_ bigger.
16. The sun would feel \_\_\_\_\_ hotter.
17. The temperature of Mercury is \_\_\_\_\_ during the day and \_\_\_\_\_ on the dark side of the planet.
18. What is found in craters on Mercury?
19. What is unique about Venus's rotation?
20. One year on Venus is \_\_\_\_\_ Earth days.
21. One day on Venus is \_\_\_\_\_ Earth days.
22. Because the rotation is opposite Earth's, the sun rises in the \_\_\_\_\_ and sets in the \_\_\_\_\_.
23. The atmosphere is made up of which gas?

24. What happened to the soviet **Venera** probes sent to Venus?
25. What was the accomplishment of **Venera** 9 in 1975?
26. What was the accomplishment of **Veneras** 13 and 14 in 1982?
27. Why will no probe sent to Venus survive more than a few hours on the surface?
28. At one time there was what on Venus?
29. Magellan was released in 1989 by the Space Shuttle Atlantis. What did Magellan use to map the surface of Venus?
30. List some things that Magellan found out.
31. Why is it 900 degrees on Venus?
32. Clouds rise \_\_\_\_\_ feet above the surface.
33. Clouds are made up of \_\_\_\_\_.
34. Pressure on Venus is \_\_\_\_\_ greater than on Earth.
35. The pressure on Venus is equivalent to diving how deep in the ocean?
36. What makes the mountains appear to be white in radar images?
37. What two things about Venus do scientists believe an ancient impact may have caused?
38. List one observation that you found interesting about the documentary.
39. List another observation that you found interesting about the documentary.
40. List one final observation that you found interesting about the documentary.