

Your name: \_\_\_\_\_

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# AST 9: Homework 7b

- 1] If there were people on Venus, they'd all have birthdays on the same day. True or false? Explain.
- 2] When a Mercurian (inhabitant of Mercury) has a birthday, he/she knows the next one will be no more than two days later. How is that possible?
- 3] Which of the planets we've so far studied is our Moon most like? In what way?
- 4] Would we be able to breathe easily on Mercury? On Venus? For the same reason, or different?
- 5] Does the sun rise in the East or West on Mercury? Why? And how are East and West determined on other planets, anyway?
- 6] This is a photo of Earth (bottom left) taken by the Mars Global Surveyor. Draw a sketch to explain why only part of the Earth seems visible. What might the object in the top right corner be?

