

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

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# AST 9: Homework 6b

- 1] What, if anything, does the advice to layer your clothing in the winter have to do with temperature extremes on the moon?
- 2] Question 2 on HW 3b (Week 3, Thursday) showed a picture of a large meteorite flashing through the air and exploding over a region in Russia. Could such an event have occurred just above the moon? Why?
- 3] Why do we consider it unlikely both that the moon could once have fully been part of the earth or even formed with it, on the hand, or could be a completely different body captured by the earth, on the other?
- 4] What *elements* crucial for life as we know it (look at week 5 stuff to remind yourself of this) are missing on the moon?
- 5] Name one factor (apart from elements) that we consider crucial for life that the moon lacks and one that we now think it has.
- 6] What are the light and dark areas of the moon called? Is one of the names a possible misnomer?
- 7] Has an attempt been made (or is it being made) to probe the inner structure of the moon?