

ASTR 129 Introductory Astronomy I
In-Class Exercise: What is the Lunar Sky Like?

1. Quickly form a group of 3. Write your names (first and last) here:
2. Angular Size of Sun and Earth. Viewed from the Moon, what is the angular size (in degrees) of the Sun? What is the angular size of the Earth?

SUN: _____ EARTH: _____

3. The Lunar Day. A day is the length of time it takes the Sun to go all the way around the sky and come back to the same position. How long does a lunar "day" last (compared to the length of an Earth day)?

Lunar Day = _____ Earth days

4. The Lunar Month. Viewed from the Moon, does the Earth go through a cycle of phases? When we see a 1st quarter moon, what Earth phase would be seen from the Moon?

Does the Earth go through phases? yes no

Earth phase at 1st quarter moon: _____

5. Over the course of a lunar month, describe how the Earth appear to move across the sky (viewed from the Moon).

Turn this sheet in at the end of class today!