

SCORE
(5 pts max)

ASTRONOMY 2
THIRD HOUR SESSION "H"
ACTIVITY: More Sky Gazer's Almanac & More Moon

NAME

KEY-H

DATE

ID#

1. Will Mars be above the horizon at 1 am on November 18 ?

No

2. What day will the Leonids meteor shower peak in activity and from what constellation will it originate?

Nov 17 (± 2 day)

Leo

3. Give the date when Venus and Uranus are in conjunction with each other.

March 28

4. What day this year will (did) the planet Jupiter be at (solar) conjunction?

November 25 (± 3 day)

5. On what day in December does Mercury reach "greatest elongation"?

December 16 (± 1 day)

6. What time does the Moon set on November 15 ?

11:45 PM (± 10 minutes)

7. On the date given in Question #6, is the Moon waxing or waning?

Waxing

8. What phase is the Moon closest to (in terms of days) on the date given in Question #6, New, First Quarter, Full, or Last Quarter?

First Quarter

9. What is the first day in December that the Moon reaches Apogee ?

December 11 (± 1 day)

(Questions continue on back)

Do not use the SGA for the following questions:

10. Where in the sky (rising, high in east, on the meridian, high in the west, setting, not above the horizon) would you expect to see a Full moon at Sunset?

Rising

11. If we assume that sunset is at 6PM and sunrise is at 6AM, approximately what time would a First Quarter moon rise?

noon

12. If we assume that sunset is at 6PM and sunrise is at 6AM, which phase of the moon would Set near the time 9 AM?

Waxing Gibbous

13. Now go the web site <http://www.eclipsewise.com> (select Solar Eclipses). When is the next total solar eclipse that passes through the US? Will the path of totality pass through California?

April 8, 2024	no
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14. From the same website when is the next total lunar eclipse? Can mid-totality be seen in California?

January 20-21, 2019	Yes
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