5th Grade Homework Night Sky Observations

Throughout this week, you will be making regular night sky observations. *Your job is to notice the patterns that take place in the sky over time.* Go out at least four evenings (preferably consecutive nights), but you are also welcome to use the back of the page and make more observations. Try to make your observations at the same time and place, but it is okay if you can't make that happen all the time. The objective is to be making **regular** observations. *Be prepared to discuss the following*: What might the moon look like over the **next** week and where/when can we expect to see to see it appear in the sky?

Some helpful hints:

- Be sure to include the time of your observations (AM or PM?)
- Shade in the portion of the moon you cannot see; leave blank the part of the moon you can see
- In what direction (north, south, east, west) are you looking to see the moon?
- Use LOTS of details in your observations and include at least three sentences for each night
- Try to notice other things in the sky, including planets and/or constellations. Use the attached star map, or with permission, find one of the many great website resources (such as https://stardate.org/nightsky/constellations) or stargazer apps for assistance
- If the weather is cloudy, try using one of the above mentioned resources, or simply complete that day's observations as best you can
- Use the sample entry below if you need more guidance…

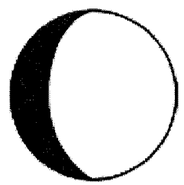
Monday Date February 28 Time 6:20 p.m.

Observations

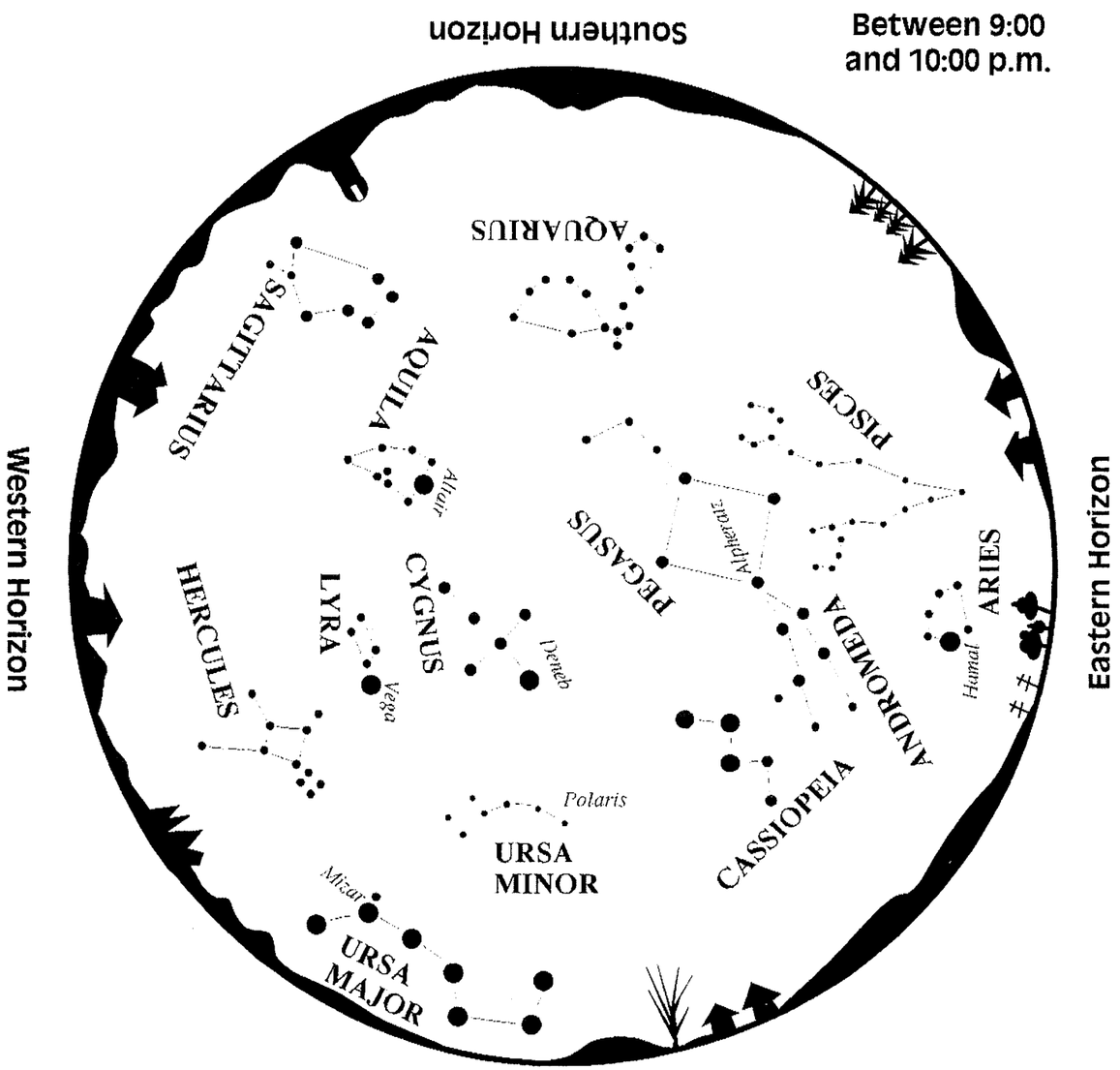
The Moon was oval. It was high in the sky.

There were lots of stars.

One star in the west was brighter than the rest.



Evening Star Map for September–October



To use map:

Turn the map so the direction you are facing is on the bottom.

The constellations in the sky will match the constellations on the map.

Holt Planetarium, Lawrence Hall of Science, University of California, Berkeley, CA 94720

Name: _____ Class: _____

Night Sky Log

Date _____ Time _____

Observations

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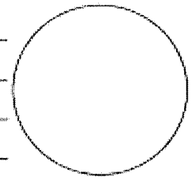

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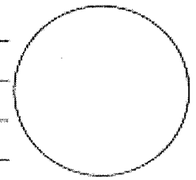

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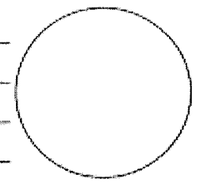

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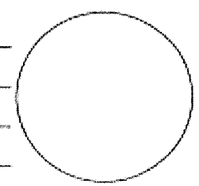

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Night Sky Log

Date _____ Time _____

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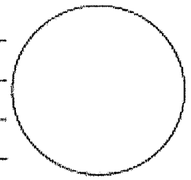

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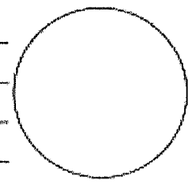

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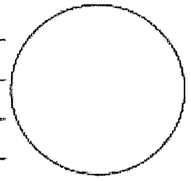

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