**Stellarium : Moon & Planets**

1. Start up the Stellarium program. <https://stellarium-web.org/>

2. Click on the bar at the bottom left of the screen.

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3. On the Vertical Bar, choose the Location Window.

Set the home location to 41.8228 ˚N, 90.5428 ˚W.

Rename the Name / City to DeWitt, Iowa.

Click Add to List.

4. Choose the Sky and Viewing Options window.

Click on the Markings tab and check the Ecliptic.

5. On the Horizontal Bar, click on the following :

Equatorial Grid, Ground, Cardinal Directions, & Planets

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6. Perform the following :

1. Click on the Vertical Bar and open the Search Window. Click on Lists and choose Solar

System from the drop-down menu. Choose and double click the Moon. Turn off the ground

and center lock the Moon. Zoom in until you can see Moon phases. Click on Increase Time

Speed a few times until the next full moon.

Next Full Moon : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

See if you can find the next solar eclipse.

Next Solar Eclipse : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Keep the Moon centered and Decrease Time Speed. Find the Moon phase when you were born.

Moon Phase when born : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Change your location to the Moon, search and center lock the Earth, and identify the phase the

Earth when viewed from the Moon.

Earth Phase from Moon : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Click on the Vertical Bar and open the Search Window. Type in Jupiter in the search box.

Turn off the ground and center lock Jupiter. Zoom in until you can see natural satellites

orbiting Jupiter. List the natural satellites orbiting Jupiter.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Center lock on one of the natural satellites and zoom in. List the satellite you zoomed in on.

Natural Satellite : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Click on the Vertical Bar and open the Search Window. Type in Saturn in the search box.

Turn off the ground and center lock Saturn. Zoom in until you can see natural satellites

orbiting Saturn.

Center lock on one of the natural satellites and zoom in. List the satellite you zoomed in on.

Natural Satellite : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Click on the Vertical Bar and open the Search Window. Type in Uranus in the search box.

Turn off the ground and center lock Uranus. Zoom in until you can see natural satellites

orbiting Uranus.

Center lock on one of the natural satellites and zoom in. List the satellite you zoomed in on.

Natural Satellite : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Click on the Vertical Bar and open the Search Window. Type in Neptune in the search box.

Turn off the ground and center lock Neptune. Zoom in until you can see natural satellites

orbiting Neptune.

Center lock on one of the natural satellites and zoom in. List the satellite you zoomed in on.

Natural Satellite : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_