**Stellarium : Constellations**

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 :

 Constellation Lines, Constellation Labels, Equatorial Grid, Ground, Cardinal Directions

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6. Perform the following :

 1. Click on the Day/Time window on the Vertical Bar and set the time to 10:00 pm (22:00).

 Along the ecliptic (red line), see if your zodiac constellation is visible tonight. If so, name the

 constellation and identify which direction it is located in the sky.

 Constellation Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Visible : Yes No

 Sky Location : N NE E SE S SW W NW

 Draw a picture of what your zodiac constellation looks like (*dots and lines only - no illustrations*).

 2. Using your zodiac constellation, go online and record your horoscope for today.

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3. Keeping the same time, see if you can locate the following constellations Draco,

 Ursa Major, Ursa Minor, Cepheus, and Cassiopeia. If so, identify which direction it is

 located in the sky. Draw a picture of the constellation (*dots and lines only*).

 Draco : N NE E SE S SW W NW Not Visible

 Ursa Major : N NE E SE S SW W NW Not Visible

 Ursa Minor : N NE E SE S SW W NW Not Visible

 Cepheus : N NE E SE S SW W NW Not Visible

 Cassiopeia : N NE E SE S SW W NW Not Visible