Name_____ Period_____

Sky Guide Exploration

Directions:

- Open a Sky Guide or similar sky-mapping app on your phone OR the Stellarium Web App (https://stellarium-web.org/).

Part 1: General observations

You should have a setting that allows you to turn on the **ecliptic**. (On Sky Guide it is under Settings Great Circles). Do this.

1. Are there any planets in the sky? Feel free to change the time/date to explore more. What do you notice about the location of the planets in relation to the ecliptic?

2. What do you notice about the location of the moon/sun in relation to the ecliptic?

3. What two cardinal direction coordinates does the ecliptic intersect?

Part 2: Exploration

- Practice/try to find the following functions:
    - zooming in and out
    - changing the date/time
    - change to night-vision
    - different labels: stars, constellation, constellation art, etc
- Change/rotate by clicking your mouse button and drag the curser.
- Explore how each of the setting below changes the screen:

Part 3: Observing

Change the time to read 11:00 pm. Manipulate your screen so that you can see the star Vega. *You may be able to search for Vega, depending on your app.*

4. Change the month to move one month into the future. Notice how the location of Vega has changed.

5. Move ahead in time two more months. Notice how the location of Vega has changed.

6. Move ahead so that you are back in August, but **next year**. What do you notice about Vega's location?

7. Using the search window, type in "Pleiades" and press enter. What happens? What do you see?

8. Reset the time to go back to present. At the bottom of your screen, turn on the constellations. What constellations do you see along the ecliptic?

9. Set the date to June 23rd of this year and the time to 2:00AM. Which constellation of the zodiac can you see due east?

10. Find what planets are visible in the month of April.

11. Locate the constellation Orion using the search tool.

12. Find 3 objects that will be out TONIGHT and when.