

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

Date: \_\_\_\_\_

Period: \_\_\_\_\_

## FOSS Website: Seasons

### Directions

- Go to **Fossweb.com**
- Click on **Class Login**
- Login using the following: User Name – **WatsonPS8**; Password – **Patriots**
- Click on the picture for **Planetary Sciences**
- Scroll down to **Seasons** (on the right near the end of Multimedia section)
- Click on **Seasons**

### Earth's Orbit

1. Draw a picture of the North-Polar view of the Earth's orbit.

2. Draw a picture of the Earth's Orbit from the side view.

### Earth's Rotation

3. Change the Earth View to **North-Pole**. What is the direction the earth is spinning?

Clockwise                  Counter Clockwise                  (select one)

4. Change the Earth View to **South-Pole**. What is the direction the earth is spinning?

Clockwise                  Counter Clockwise                  (select one)

5. Explain why the Earth's spin direction appears to be different?

## **Seasons**

6. Select Berkeley, CA as City #1 (Berkeley is the closest city to Reno, NV). Select another city with a different latitude for City #2. Observe the day length during January for each location and compare and contrast below.

**City #1:** Berkeley, CA      **City #2:** \_\_\_\_\_

7. Change the display, month by month, from January to December. What changes do you observe in the day length for Cities #1 and #2? Be specific and indicate the changes you see each month. Observe from several Earth Views.

8. Select Anchorage, AK. Observe the day length from January to December. Describe the changes that occur.

9. Draw a picture of the side view of the Earth's orbit and include the Earth's position and axis direction for December, March, June and September (label your drawing).