

**Predict the Sun's position and motion, as viewed from Olympia WA and elsewhere.**

YOUR NAME \_\_\_\_\_

*\*Please write out your predictions on your own. Then we will discuss together and build a tool with which you can explore questions such as these in more depth.*

**1. Where did the Sun** rise in the morning, in Olympia today? N, S, E, W, or some other direction?

**2. Where does the Sun set** in the evening today, in Olympia?

3. Will the Sun set later or earlier tomorrow?

4. Are the daylight hours getting longer or shorter this week?

5. Does the Sun ever shine on the north side of your house, in Olympia?

6. Where was the Sun at noon today?

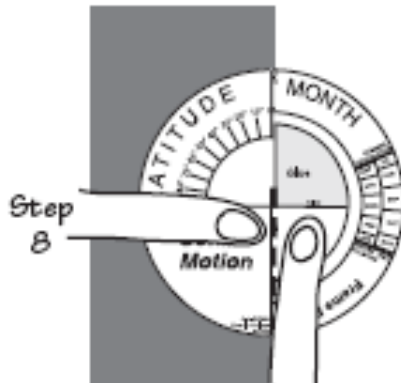
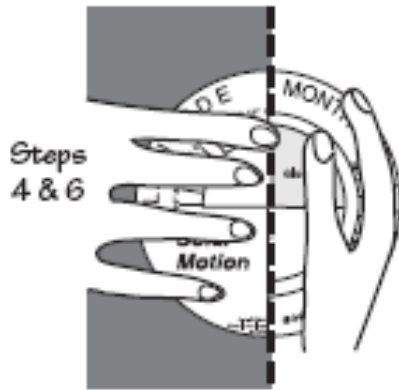
7. How high in the sky was the Sun at noon? (straight up to the top of the sky? part way up?)

8. Does the height of the noontime sun change with season?

9. Does the height of the noontime sun depend on your latitude?

10. Other predictions? Other questions about the Sun's motion?

## BUILDING YOUR SOLAR MOTION DEMONSTRATOR



1. Bend and crease
2. Align and Glue
3. Insert Sun (slide for date)
4. Tilt for Latitude

