FLINN SCIENTIFIC

Name_____

Sun–Earth Motion Activity Worksheet

Data Table

Length of first shadow (cm)	
Length of last shadow (cm)	
Distance shadow moved in 30 minutes (cm)	

Post-Lab Questions

1. Using the compass directions drawn on the sheet of paper, what direction did the shadow move across the paper?

2. Compare the length of the first shadow distance measured versus the last shadow measured. Explain the difference (if any).

3. How far did the shadow move in 30 minutes?

4. What direction did the Sun move during the 30 minutes data was recorded?

5. Did the Sun move in the same direction the Earth rotates?

6. If the length of the wood dowel and pin used in this activity was lengthened, would this affect the distance the shadow moved across the paper in 30 minutes?