

Name _____

The Shadow Knows Questions

1. What do you see happening to the shadow of the stick for each “all-day angle” each time the flashlight is moved from the morning position to the evening position?

2. What do you see happening to the shadow of the stick just at noon of each of the different “all-day angles”?

3. What are your conclusions about the data of the shadows on your chart as the sun moves from morning to evening and as the sun is lower on the horizon each day?

a. _____

b. _____

4. The same thing happens to tall objects outside as we go from summer to winter. How do the conclusions above help you understand more about the earth as it is going around the sun?

a. _____

b. _____

5. What is causing the sun to seem like it is getting lower in the sky from summer to winter and getting higher in the sky from winter to summer?
