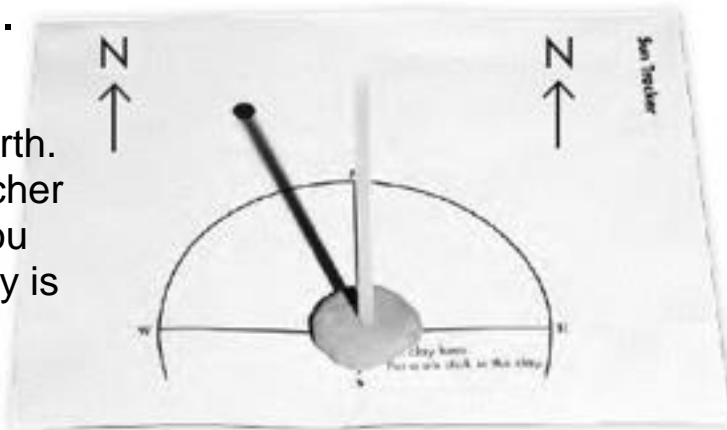


How does the sun's movement cause shadows to change?

- 1. Glue the Sun Tracker to cardboard.
- 2. Put a piece of clay on the Sun Tracker. Put a stir stick in the clay.
- 3. Put the Sun Tracker outside in the sun.

Point the paper North. Your teacher will tell you which way is North.



Materials

Sun Tracker



cardboard



clay



straw



glue



Inquiry Skill

You **collect data** when you mark what you observe.

- 4. **Observe** the tip of the shadow. Mark the tip with a dot every hour. Write the time.
- 5. How did the pattern of dots change?



Explain Your Results

6. **Infer** How can you use a shadow to predict the sun's position?
